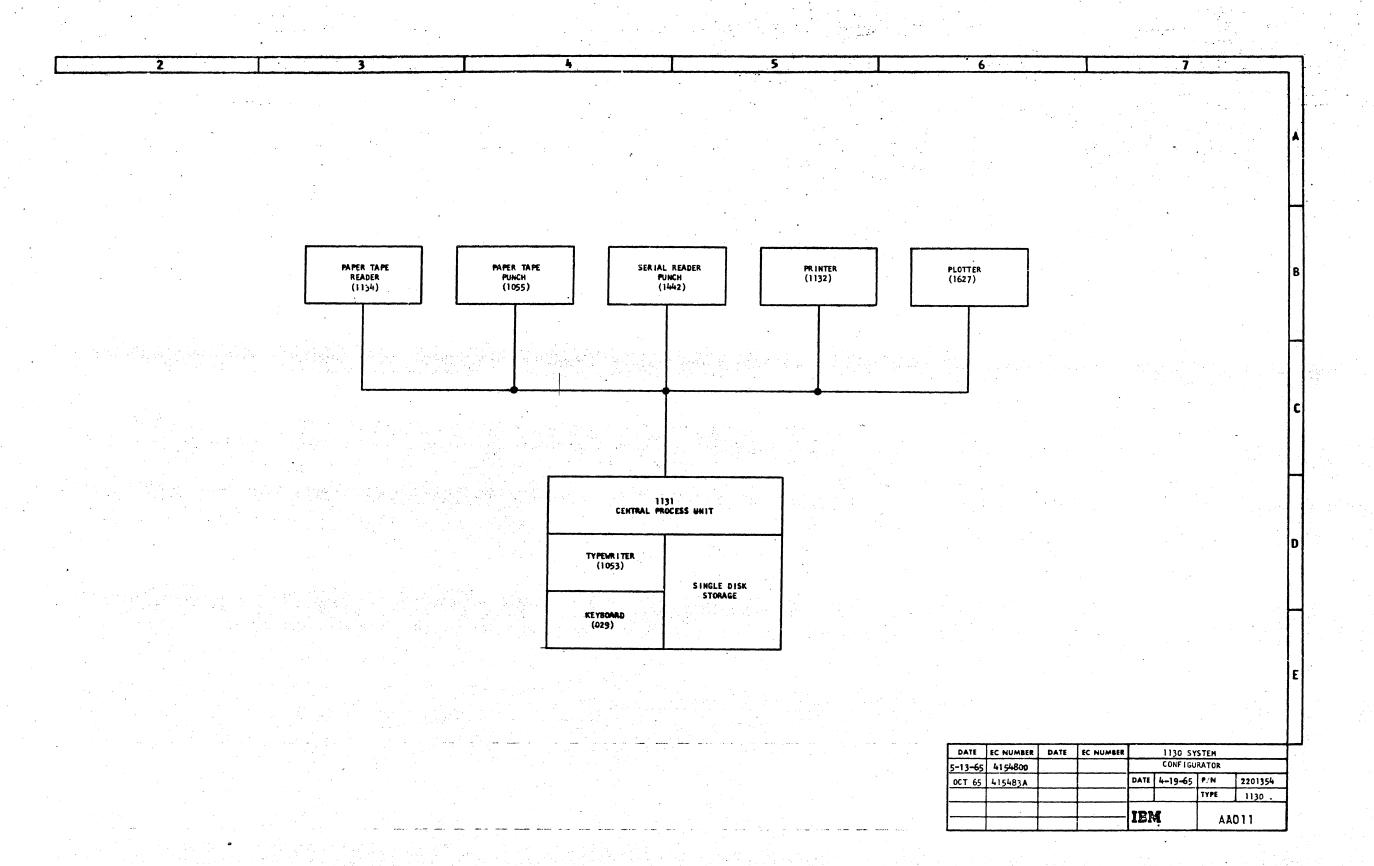
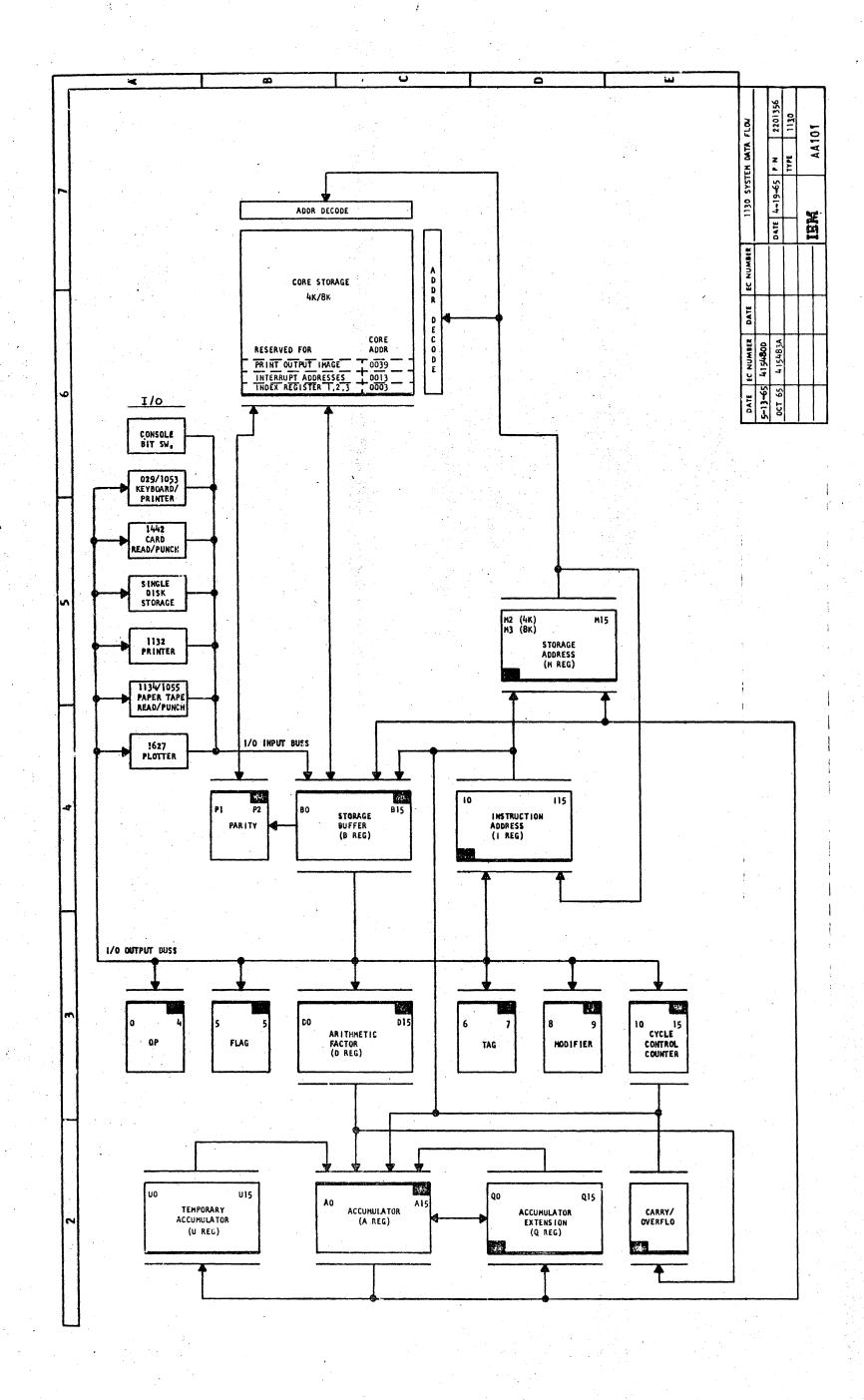
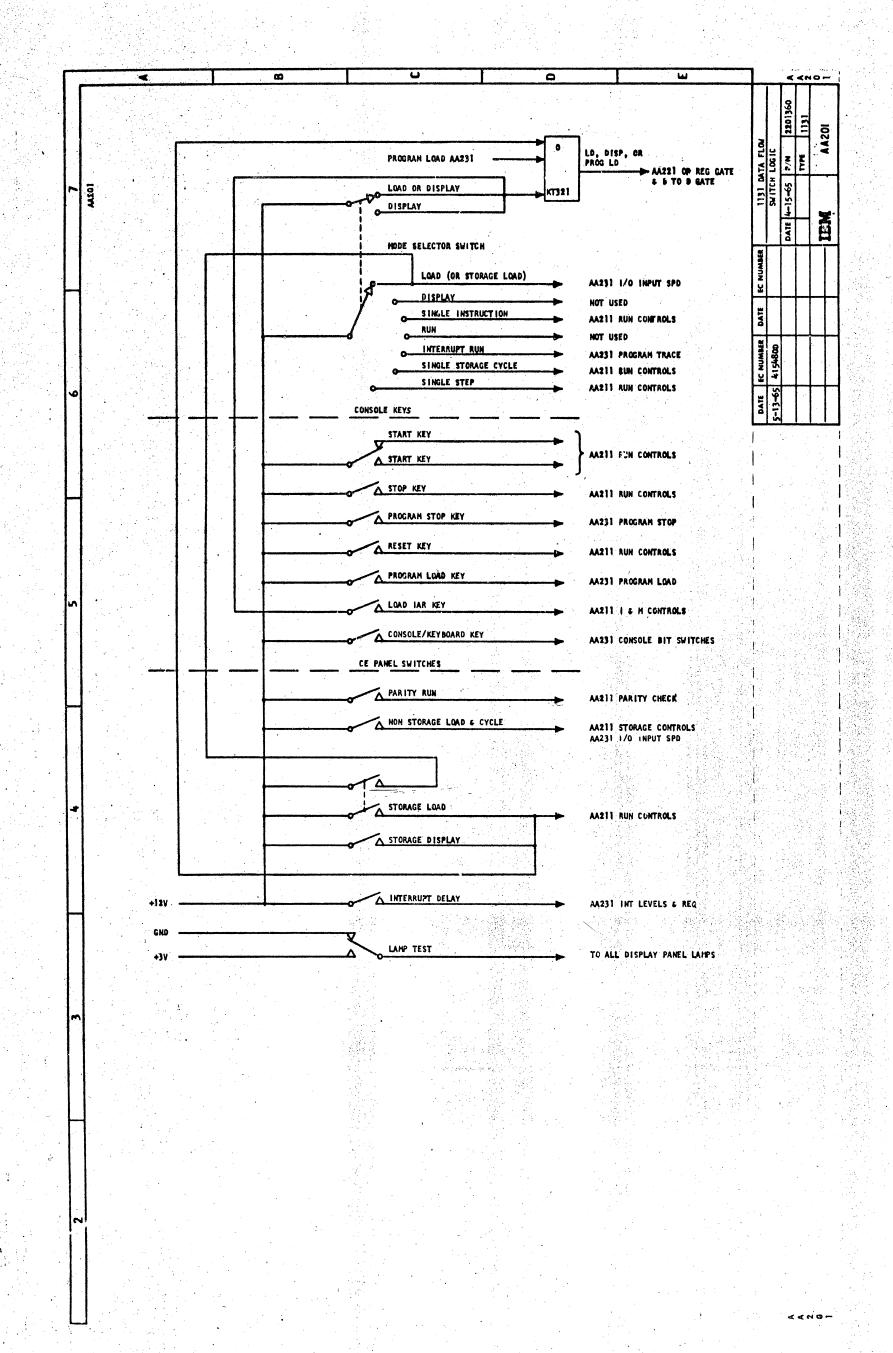
PAGE PIN 2201240 EC 415495	CONTENTS-VCLUME 5				0050A
PAGE NAME				PAGE NO.	bh M
1130 SYSTEM CONFIGURATOR				AA011	2201354
1130 SYSTEM DATA FLOW				AA101	2201356
1131 DATA FLOW SWITCH LOGIC	<b>C</b>			AA231	2201360
1131 DATA FLOW RUN, ADDRESS				AA211	2201361
1131 DATA FLOW-ARITHMETIC,				AA221	2201362
1131 DATA FLOW-I-O, INT, CS				AA231	2201363
1131 INSTRUCTION CYCLE PAT		SHE	ET 1	AA601	2201425
I-1 CYCLE			ET 2	AA601	2201425
I-1 CYCLE			ET 3	AA601	2201425
EFFECTIVE ADDRESS CYCLE SEC	DUENCE		ET 4	AA601	2201425
I-2 CYCLE			ET 5	AA601	2201425
IX CYCLE			ET 6	AA601	2201425
IA CYCLE			ET 7	AA601	2201425
INTERRUPT FORCED BRANCH AND	D STORE IAR		ET 1	AA611	2201432
CYCLE STEAL			ET 2	AA611	2201432
EXECUTE 1-0				AA621	2201435
SHIFT LEFT		SHE	ET 1	AA631	2201437
SHIFT LEFT			ET 2	AA631	2201437
SHIFT RIGHT			3	AA632	2201438
LOAD STATUS WAIT				AA641	2201440
STORE STATUS				AA642	2201441
BRANCH AND STORE INSTRUCTION	ON COUNTER			AA651	2201443
BRANCH CR SKIP ON CONDITION				AA652	2201444
LOAD INDEX				AA661	2201446
STORE INDEX				AA662	2201447
MODIFY INDEX AND SKIP FORM	ATLO TAGLOO	SHE	ET 1	14-	2201448
MODIFY INDEX AND SKIP TAG I			ET 2		2201448
MODIFY INDEX AND SKIP FORM			ET 3	AA663	2201448
MODIFY INDEX AND SKIP FORM	the second of th		ET 4	AA663	2201448
ADD OR SUBTRACT				AA671	2201450
DBL PRECISION ADD OR DBL PI	RECISION SUBTRACT			AA672	2231451
MULTIPLY		SHE	ET 1	AA673	2201452
MULTIPLY		4.4	ET 2	AA673	2201452
DIVIDE			ET 1	AA674	2201453
DIVIDE			ET 2	AA674	2201453
DIVIDE			ET 3	AA674	2201453
LOAD ACCUMULATOR				AA681	2201455
DOUBLE LOAD				286AA	2201456
STORE ACCUMULATOR			• •	AA683	2201457
DOUBLE STORE				AA684	2201458
LOGICAL AND OR EXCLUSIVE OF	R			AA691	2201460
TIMING CHART - II CYCLE				<b>44761</b>	2201299
TIMING CHART - MEX			·.	AA711	2201338
TIMING CHART - XIO				AA721	2201297
TIMING CHART - BSC				AA731	2201340
TIMING CHART - SLA				44741	2201341
TIMING CHART - SLCA			1 .	AA751	2201339
DISK FILE-UNIT DATA AND CO	NTROL DIAGRAM			XF401	2201241
DISK FILE-WRITE OPERATION				XF5m1	2201242
DISK FILE-READ OPERATION		•		XF511	2201243
DISK FILE-CONTROL OF - ACCE	S S n		•	XF521	2201244
DISK FILE-WRITE TIMING				XF701	2201245
DISK FILE-KEAD TIMING				XF711	2201246
DISK FILE-ACCESS TIMING				XF721	2201247
Q					

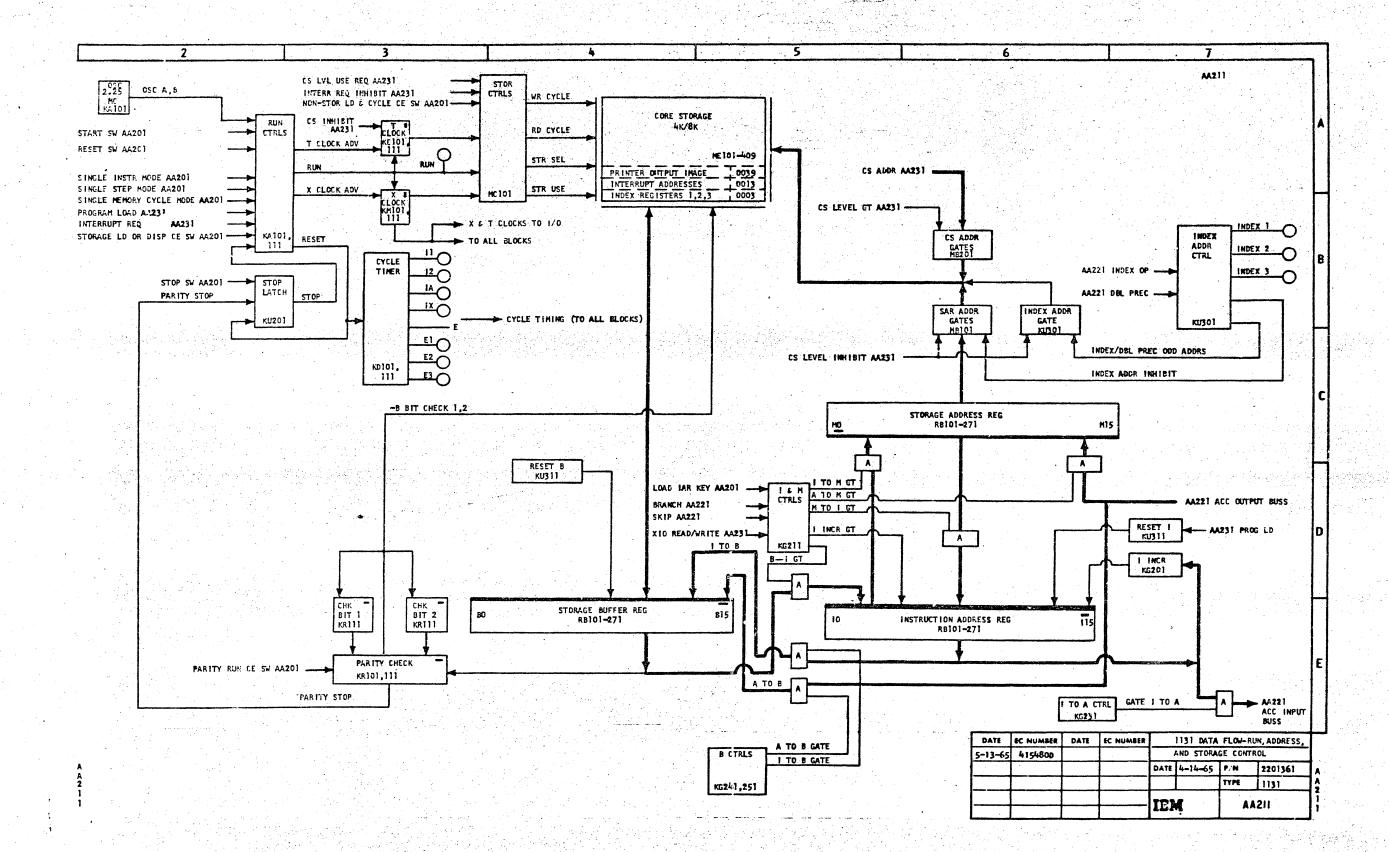
EC 414495

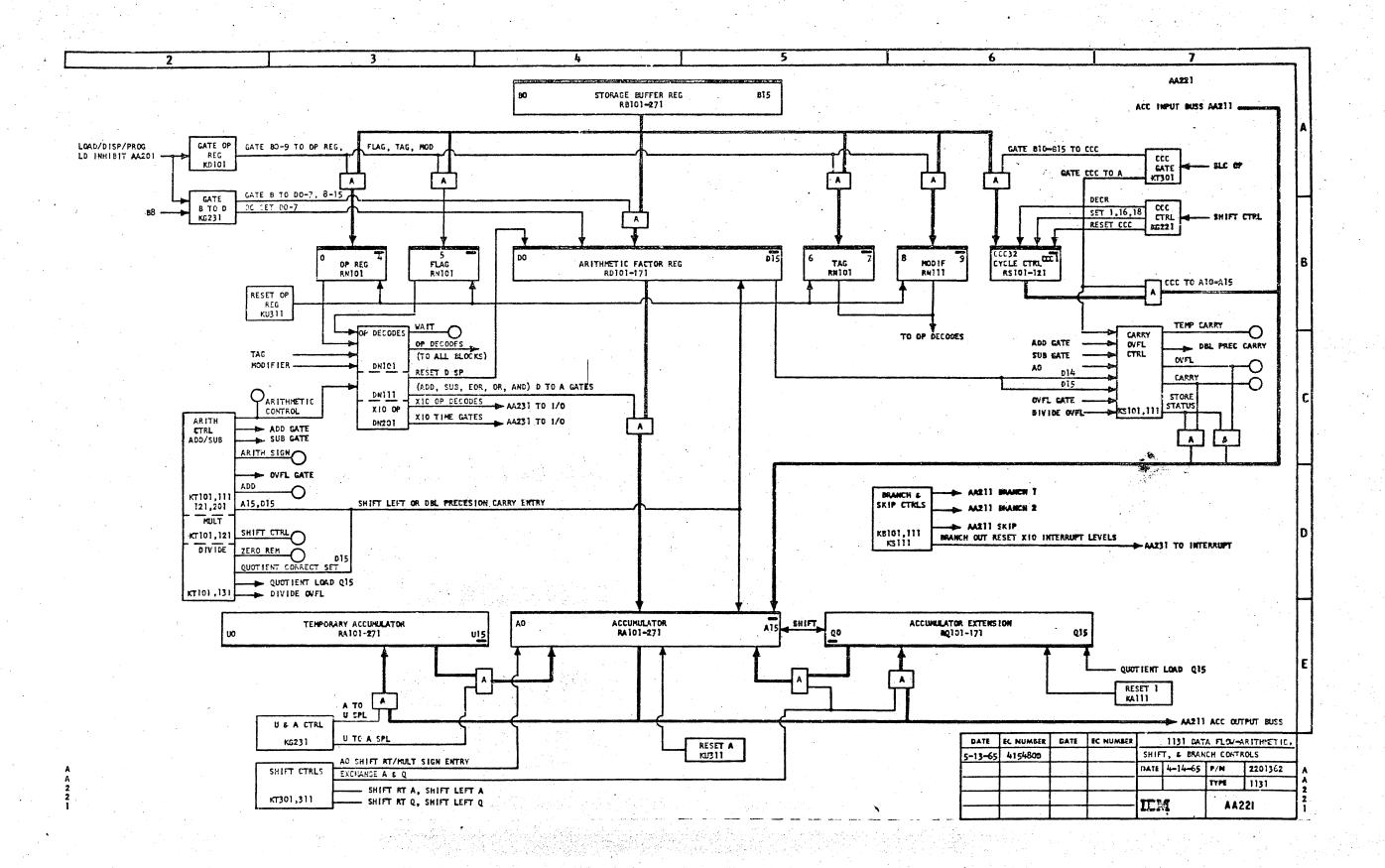
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PAGE NAME	PAGE NO.	N رط
PLOTTER-WRITE OP	XG501	2201248
PLOTTER-WRITE TIMING	XG701	2201249
KEYBOARD-READ AND CONTROL OPS	XK501	2201250
KEYBOARD-READ AND CONTROL TIMING	XK701	2201251
PRINTER UNIT DATA AND CONTROL DIAGRAM	XP401	2201253
PRINTER WRITE OP READ EMITTER, PRINTE	XP501	2201254
PRINTER CONTROL OF 3 START, STOP, SPACED	XP511	2201255
PRINTER WRITE TIMING READ EMITTER, PRINTE	XP701	2201256
PRINTER CONTROL TIMING START, STOP, SPACED	XP711	2201257
CARD READ PUNCH UNIT DATA AND CONTROL DIAGRAM	XR401	2201258
CARD READ PUNCH WRITE OPERATION	XR501	2201259
CARD READ PUNCH READ OPERATION	XR511	2201260
CARD READ PUNCH PROGRAM LOAD OPERATION	XR521	2201261
CARD READ PUNCH CONTROL OP 11ST CARD CYCLED	XR531	2201262
CARD READ PUNCH CONTROL OF INPROPLAST CARD, FEED CK	n XR541	2201263
CARD READ PUNCH WRITE TIMING	XR701	2201264
CARD READ PUNCH READ AND PROGRAM LOAD TIMING	XR711	2201265
CARD READ PUNCH CONTROL TIMING	XR721	2201266
PAPER TAPE UNIT DATA AND CONTROL DIAGRAM	XT401	2201267
PAPER TAPE READ AND PROGRAM LOAD OPS	XT501	2201268
PAPER TAPE WRITE OP	XT511	2201269
PAPER TAPE READ TIMING	XT701	2201270
PAPER TAPE WRITE TIMING	XT711	2201271
PAPER TAPE PROGRAM LOAD TIMING	XT721	2201272
CONSOLE PRINTER UNIT DATA AND CONTROL DIAGRAM	XW4U1	2201273
CONSOLE PRINTER WRITE AND CONTROL OPS	XW501	2201274
CONSOLE PRINTER WRITE AND CONTROL TIMING	XW701	2201275

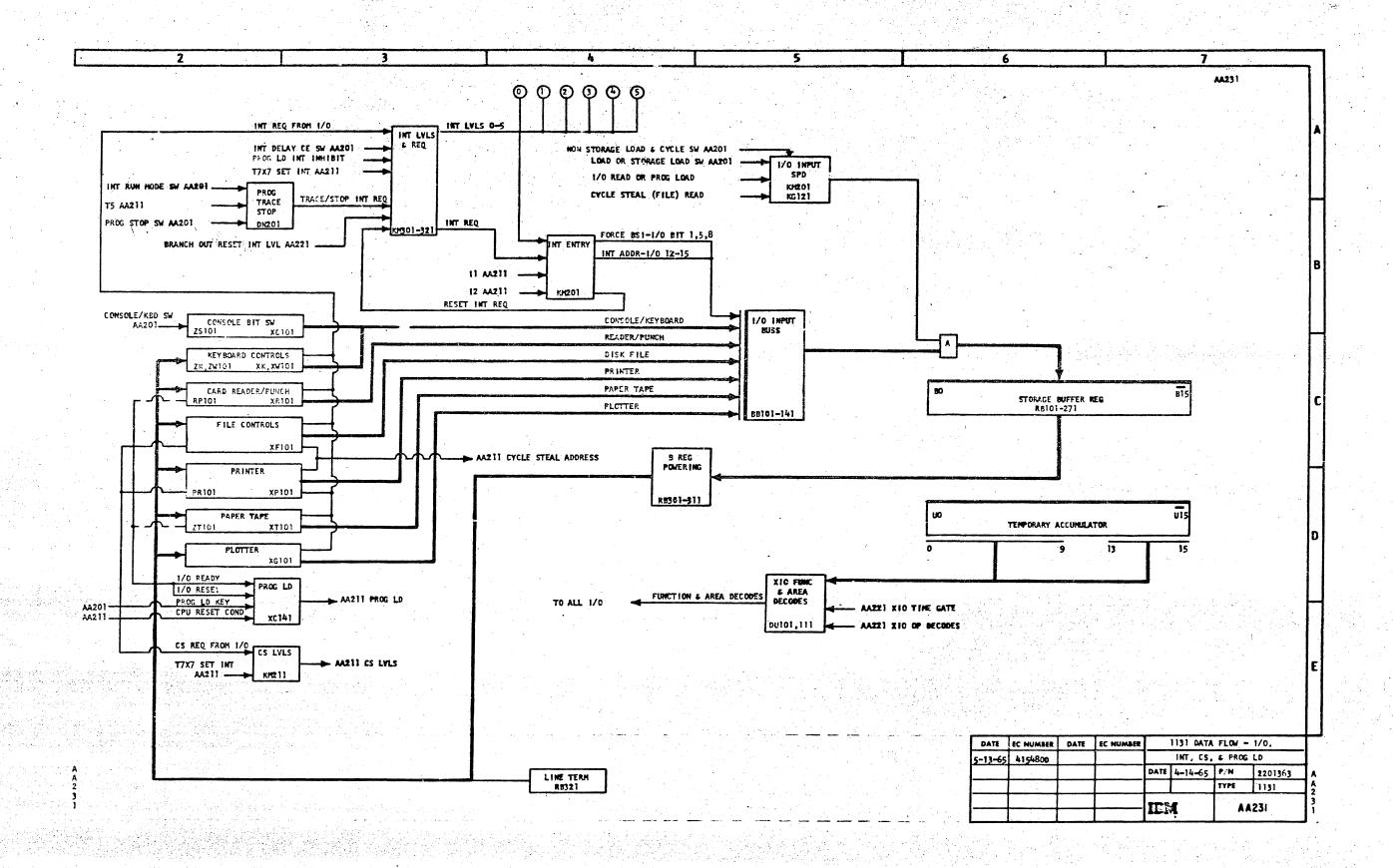












## 1131 INSTRUCTION CYCLE PATTERNS

<del></del>		r	I	<del></del>	T	1		
CODE	INSTRUCTIONS	. 13-	12	ΙX	1A	E1	€2	<b>E3</b>
0011,0	(1) (1)	YES (2)	NO	NO NO	NO	NO	<b>N</b> O	NO
000005	WAIT NOTE (1) (4)	1	. #0 F=1	T ≠ 0	F=1 1A=1	YES	YES	R/V
00001	EXEC 1/0	YES	1	T + 0	NO NO	SLC AD-1	NO	NO NO
-0.0010	SHIFT LEFT (1)	YES (2)	NO NO	1	1	1		
00011	SHIFT RIGHT (1)	YES (2)	NO	T # 0	NO NO	<b>M</b> 0	NO	NO
00100	LOAD STATUS (1)	YES (2)	NO	NO.	МО	NO NO	NO NO	<b>N</b> O
00101	STORE STATUS	YES	. F=1	Τ.≠ 0	F=1   A=1	YES	NO	) NO
01000	BRANCH & STORE IAR	YES (2)	F=1 BR	T≠00 BR	F=1 1A=1 BR	BR	NO.	NO NO
01001	BRANCH/SKIP CONDITIONAL	YES (2) (3)	1 .	T ≠ 90 BR	F=1 IA=1 BR	NO	₩O	MO NO
01100	LOAD INDEX	YES (3)	2	MO	F=1 (A=1	T ≠ 00	MO	NO NO
01101	STORE INDEX	YES	P=1	#0	F=1  A=1	YES	T ≠ 00	NO
01110	HODIFY INDEX T=00 / T#00	YES (3)	F=1	<b>NO</b>	F=1 /F=1 IA=1	F=1 / YES	F=1/YES	NO NO
1.0000	ADD	YES	F=1	Τ≠0	F=1  A=1	YES	. NO .	NO .
10001	ADD DOUBLE	YES	F=1	T ≠ 0	F=1 IA=1	YES	YES	NO NO
10010	SUB	YES	F=1	T ≠ 0	F=1 IA=1	YES	Ю	MO
10011	SUB DOUBLE	YES	F=1	T ≠ 0	F=1 IA=1	YES	YES	110
10100	MULTIPLY	YES	F=1	Τ≠0	F=1 1A=1	YES	YES	. NO
10101	DIVIDE	YES	Fe ]	τ≠0	F-1 IA-S	YES	YES	NO NO
11000	LOAD ACCU	YES	P=1	T ≠ 0	F=1 IA=1	YES	NO NO	₩0
11001	LOAD ACCU DOUBLE	YES	P=1	T ≠ 0	F=1 1A=1	YES	YES	NO NO
11010	STORE ACCU	YES	F=1	T ≠ 0	F=1 1A=1	YES	NO	#0
11011	STORE ACCU DOUBLE	YES	F=1	T ≠ O	F=1 IA=1	YES	YES	140
11100	AMD .	YES	F=1	T ≠ 0	F=1 1A=1	YES	940	<b>86</b> 0
11101	OR	YES	Fe1	T ≠ 0	F=1  A=1	YES	NO NO	NO
11110	EXCL OR	YES	F=1	T ≠ 0	F=1 1A=1	YES	NO NO	MO
					1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
					10 XXX x x 14 XX			
				L	L	L	L	

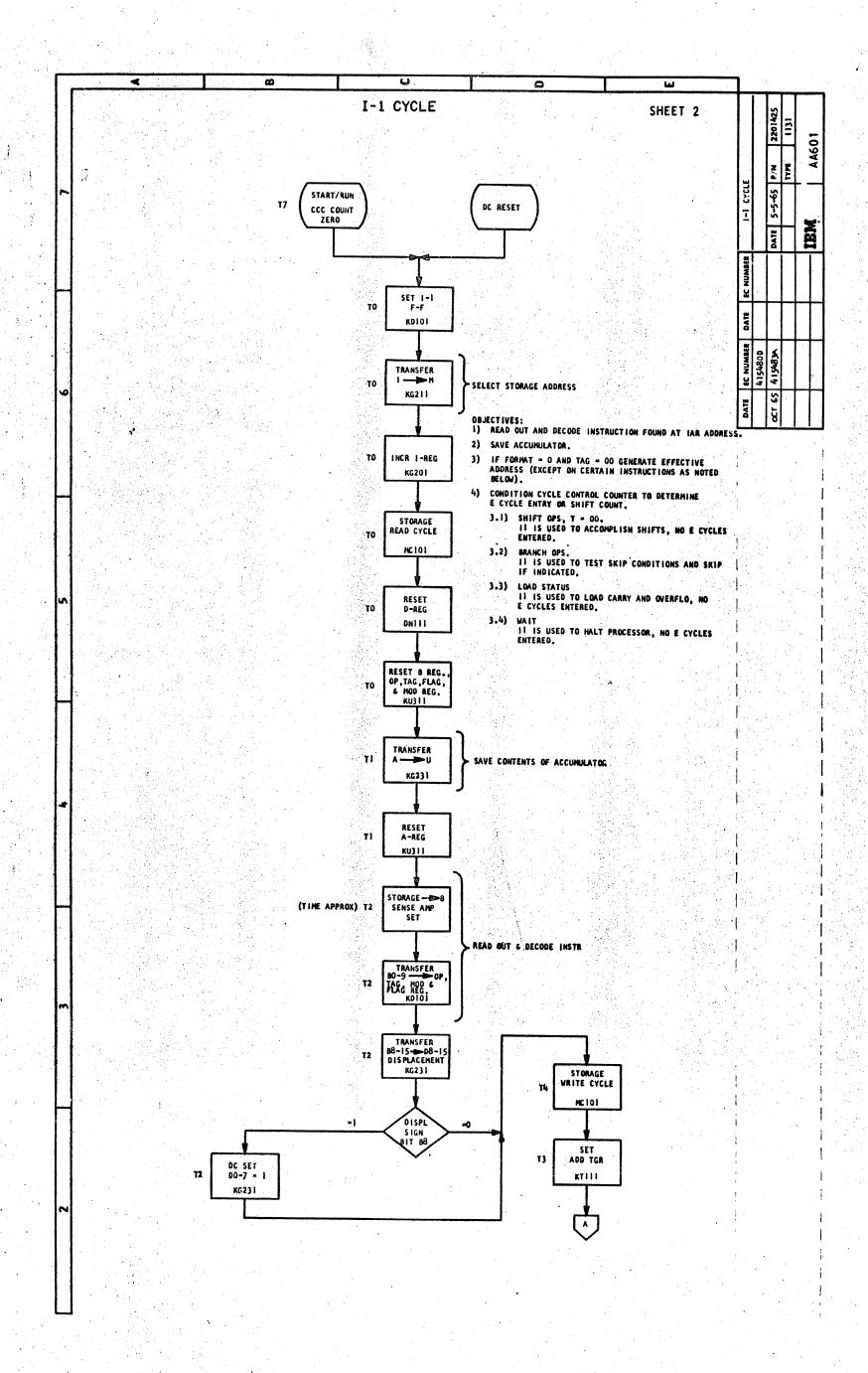
NOTE 1. VALID SHORT FORMAT ONLY.

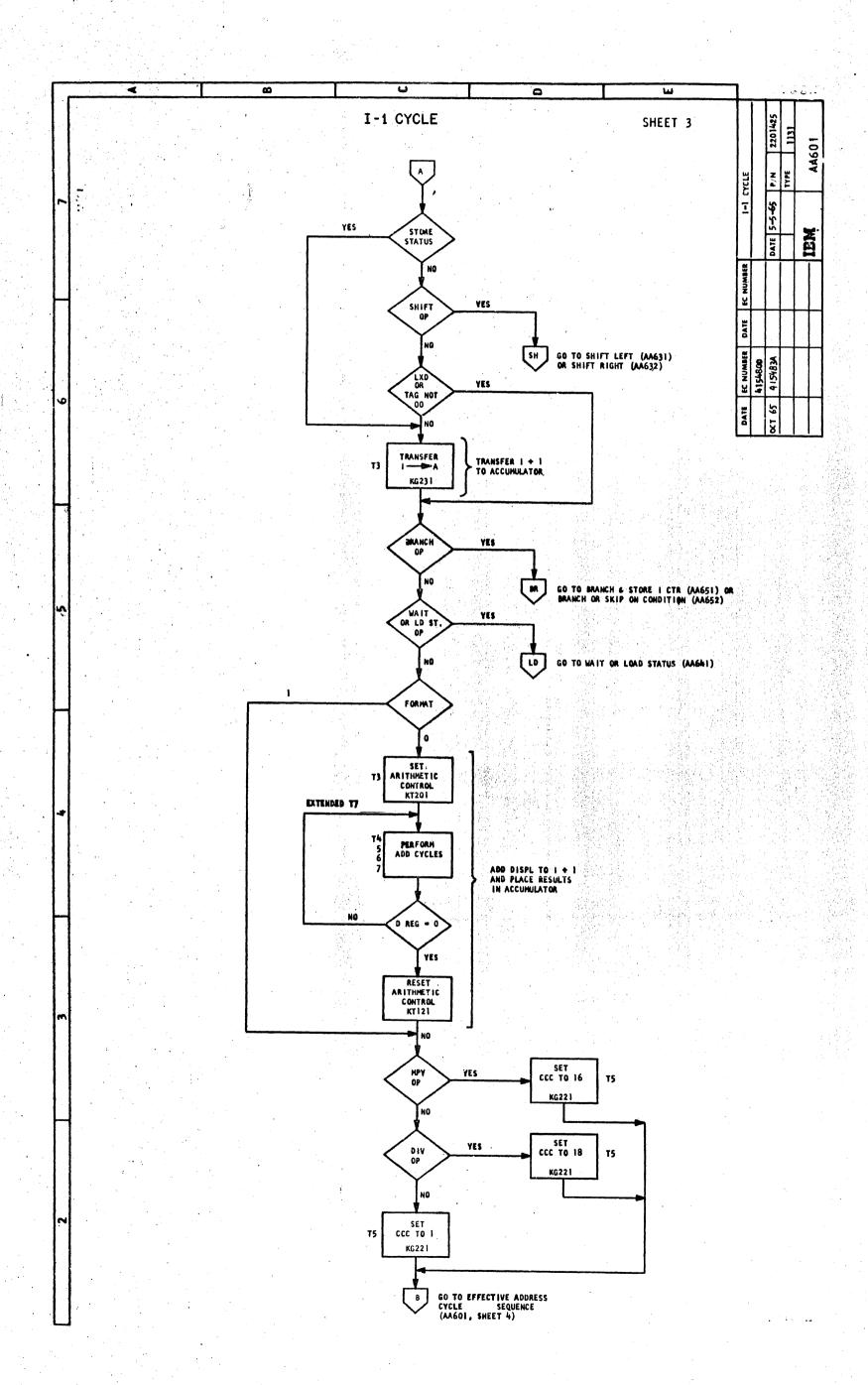
NOTE 2. NOT STANDARD II CYCLE, E CYCLES NOT ALMAYS ENTERED

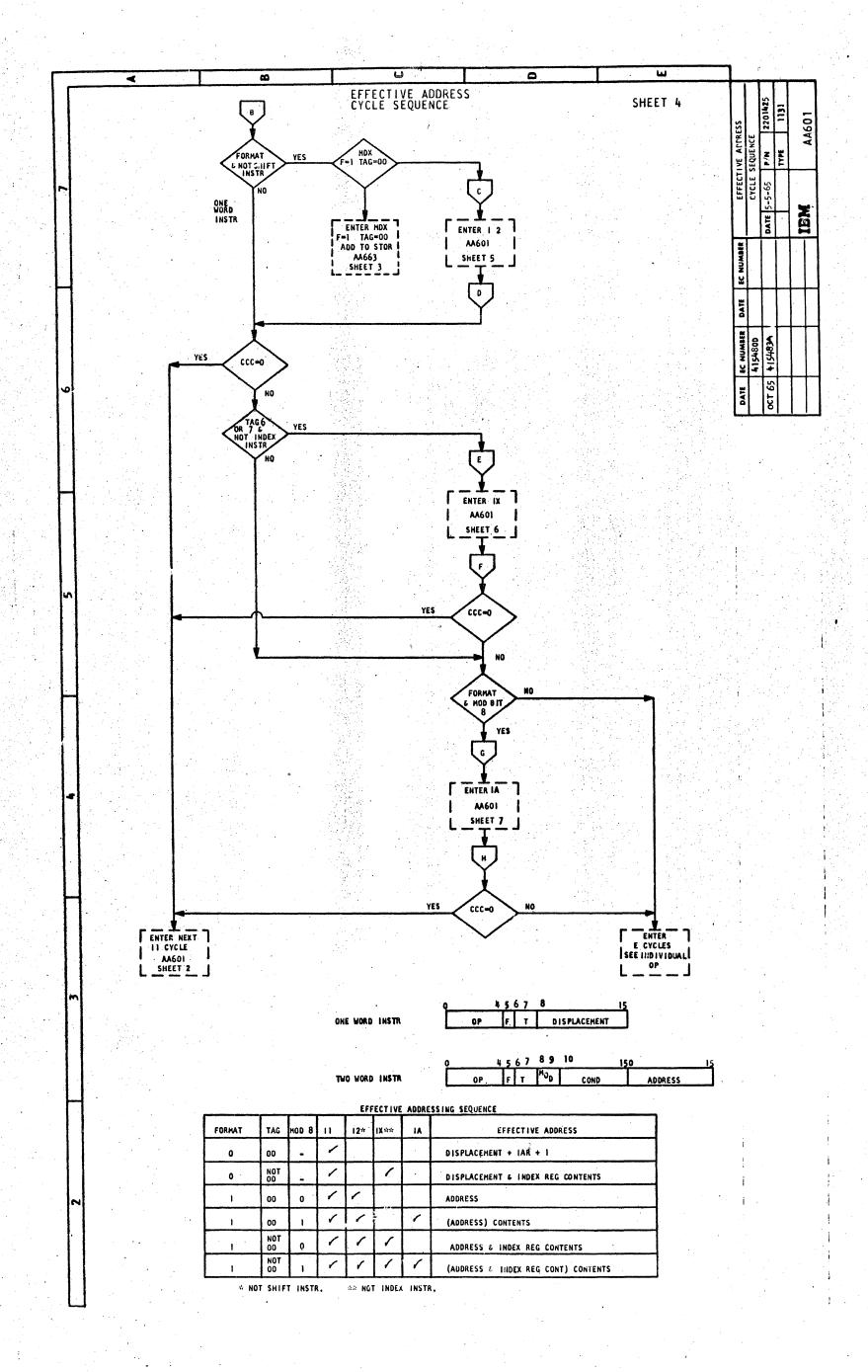
NOTE 3. BRANCH EXTENDED LAST I CYCLE, E CYCLES NOT ALMAYS ENTERED

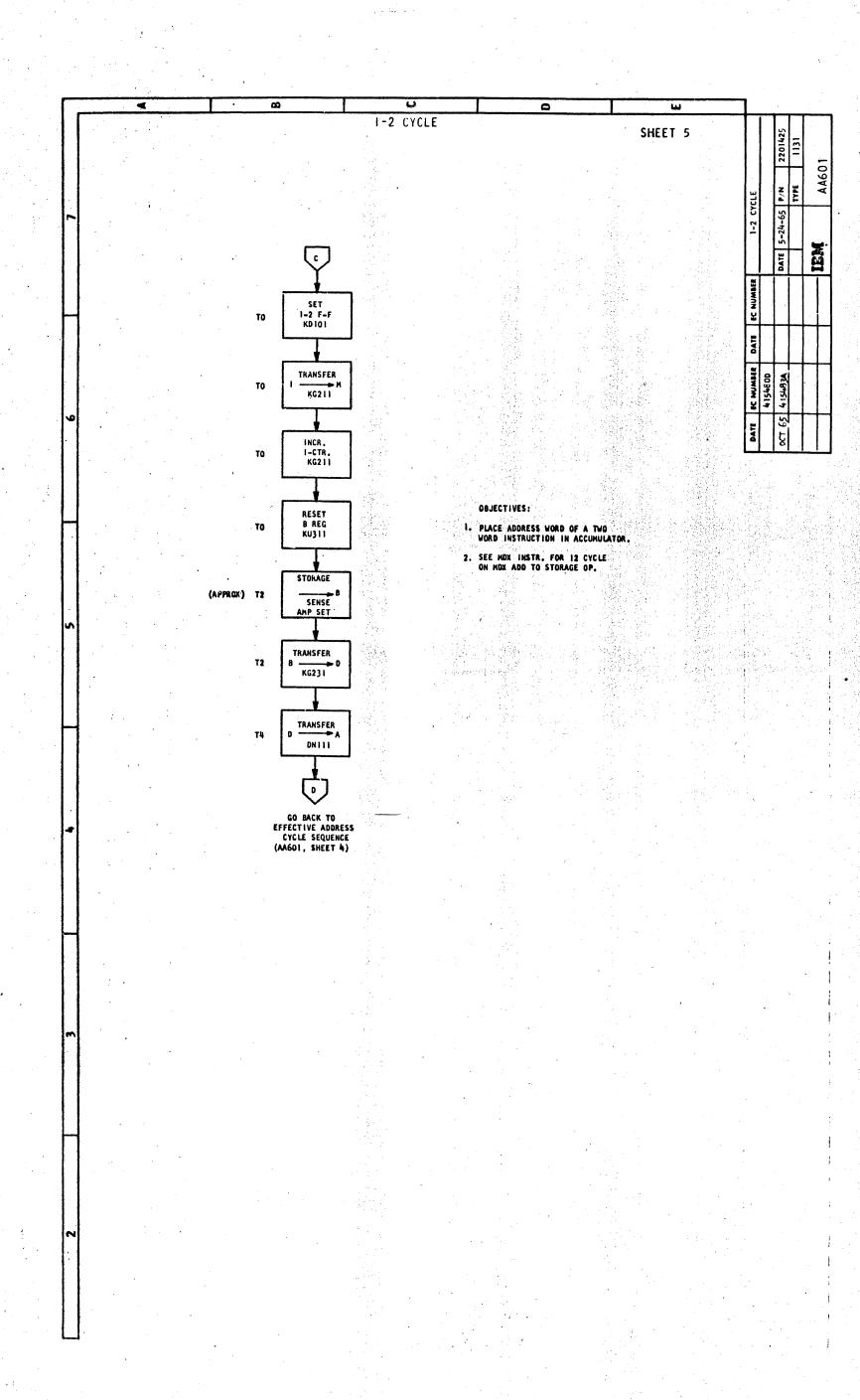
HOTE 4. FOR 1130 SYSTEM ALL UNASSIGNED OF CODES ARE DECODED AS MAIT SPS.

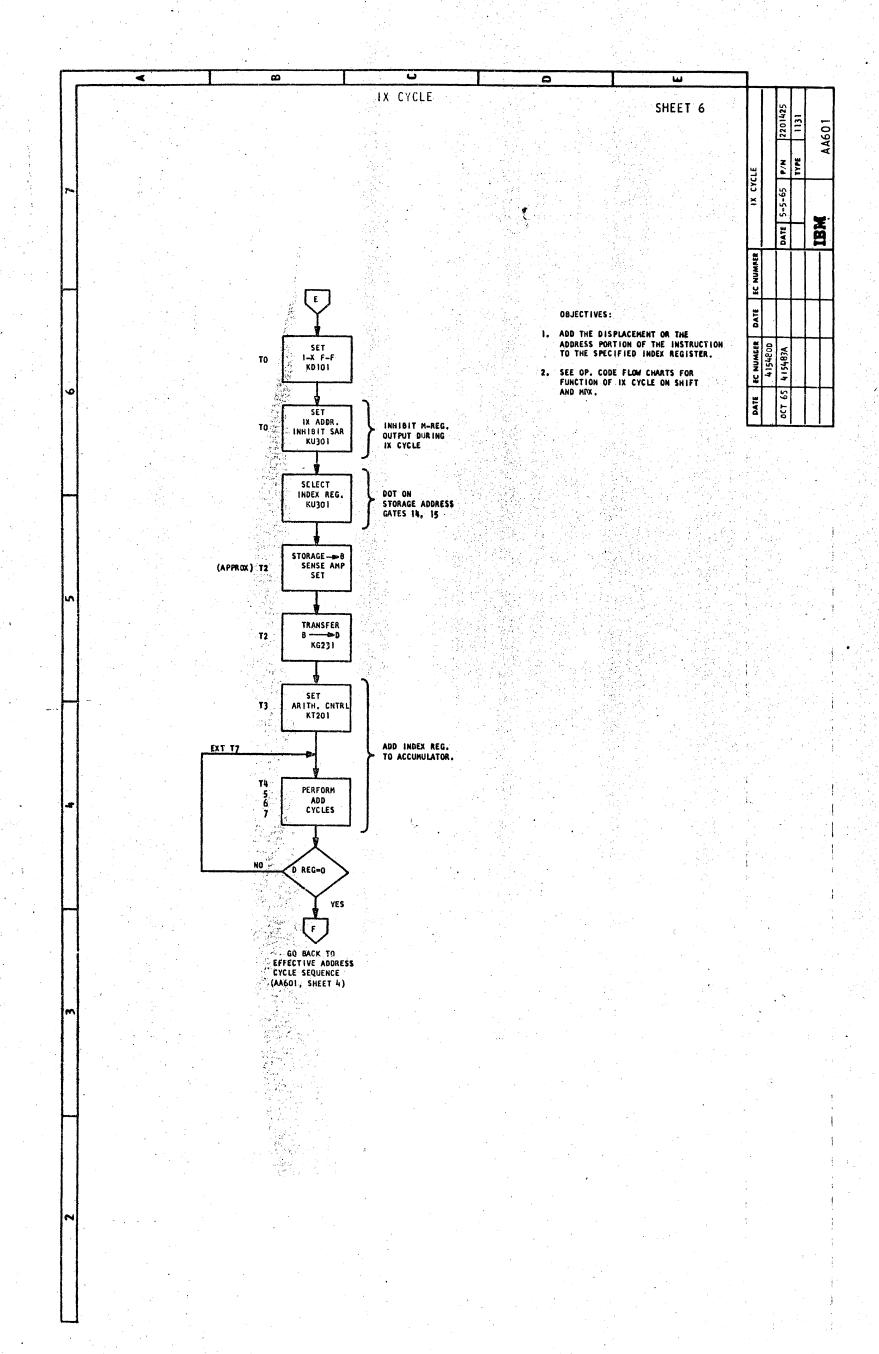
GATE	EC NUMBER	DATE	EC NUMBER	1131 INSTRUCTION			
	4154800			CYCLE PATTERNS			
OCT 65	415483A			DATE	5-24-65	P/N	2201425
						TYPE	.1131
				783	·		
				IBM		M , AA601	

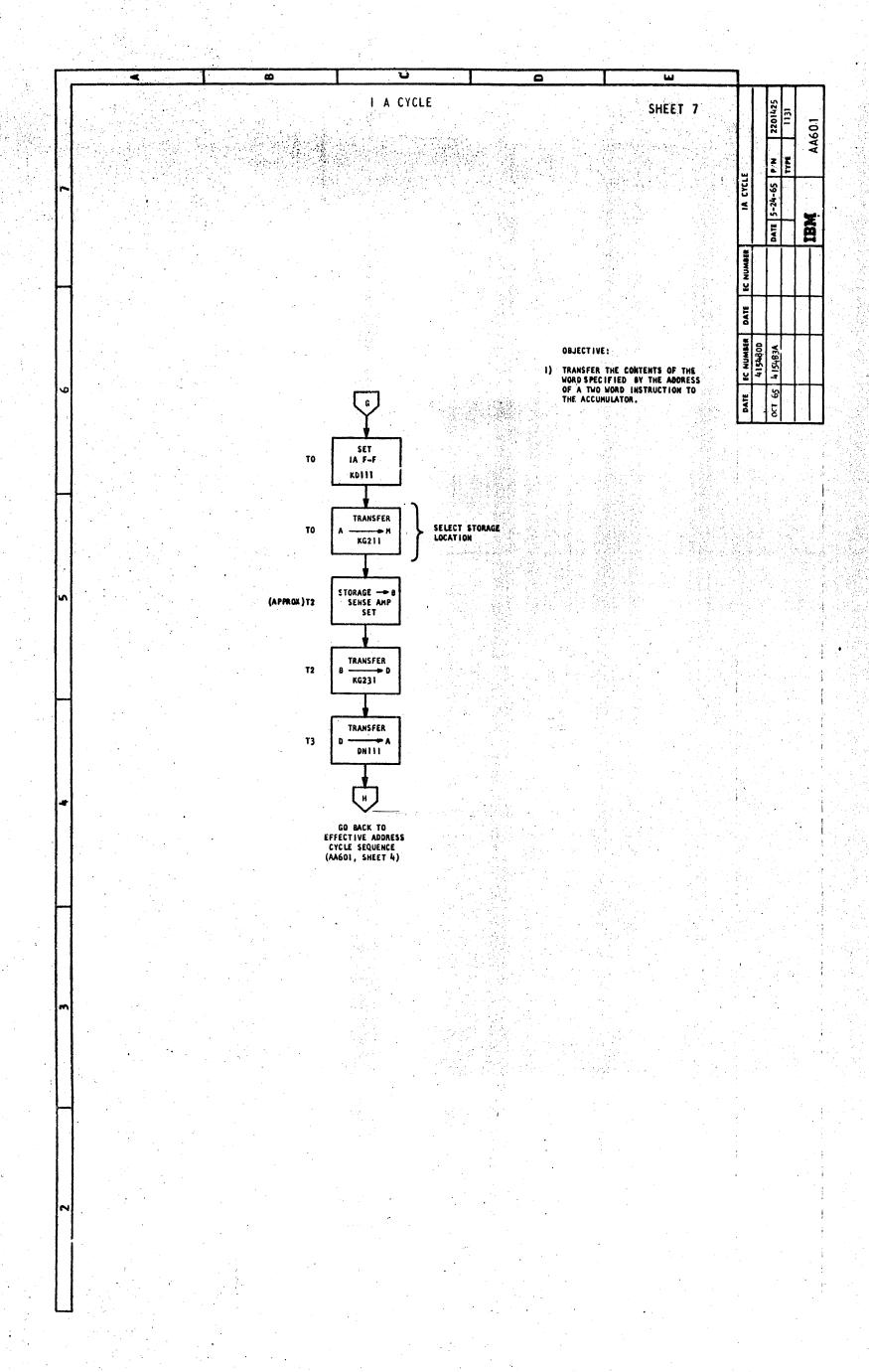


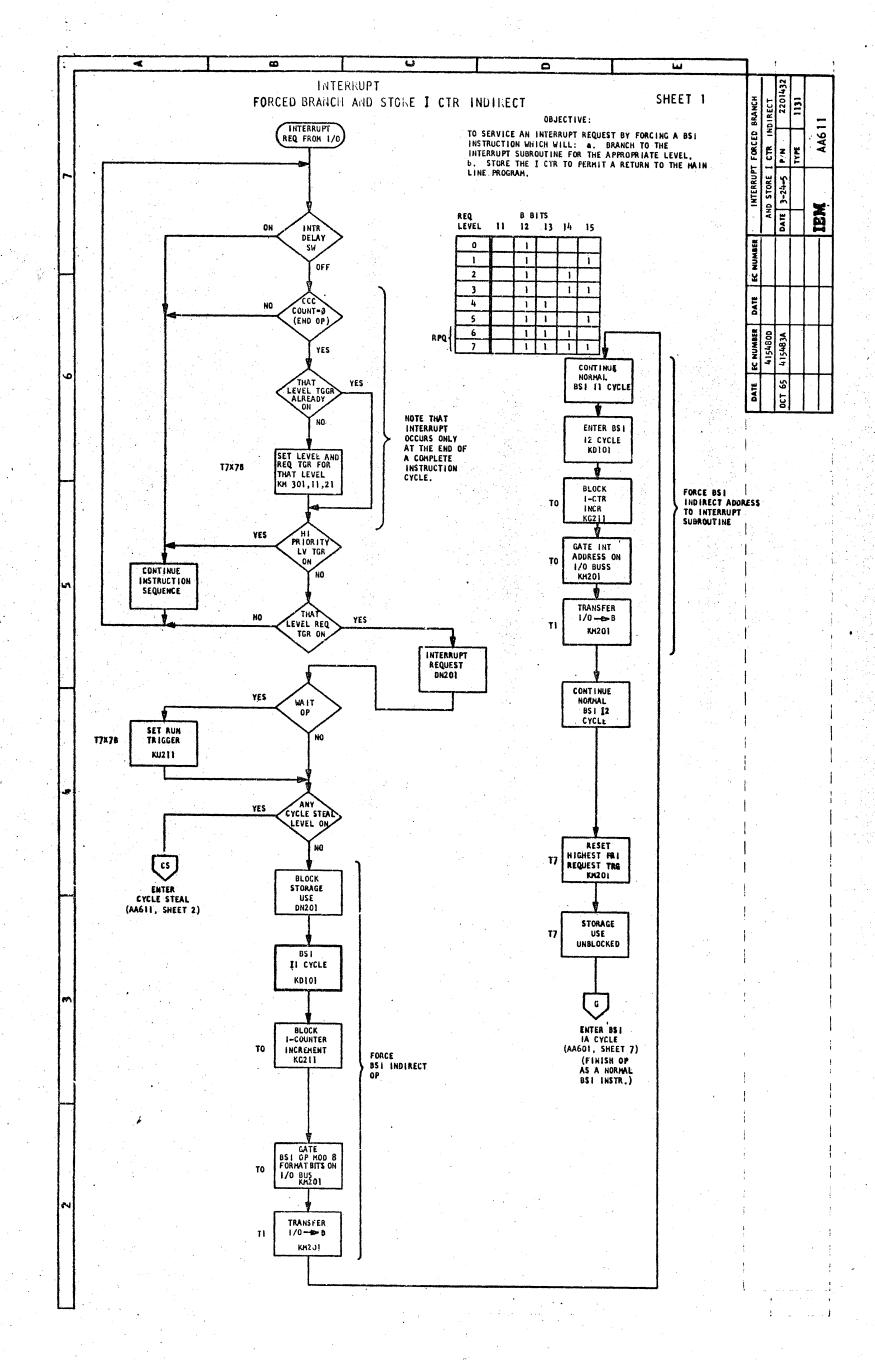


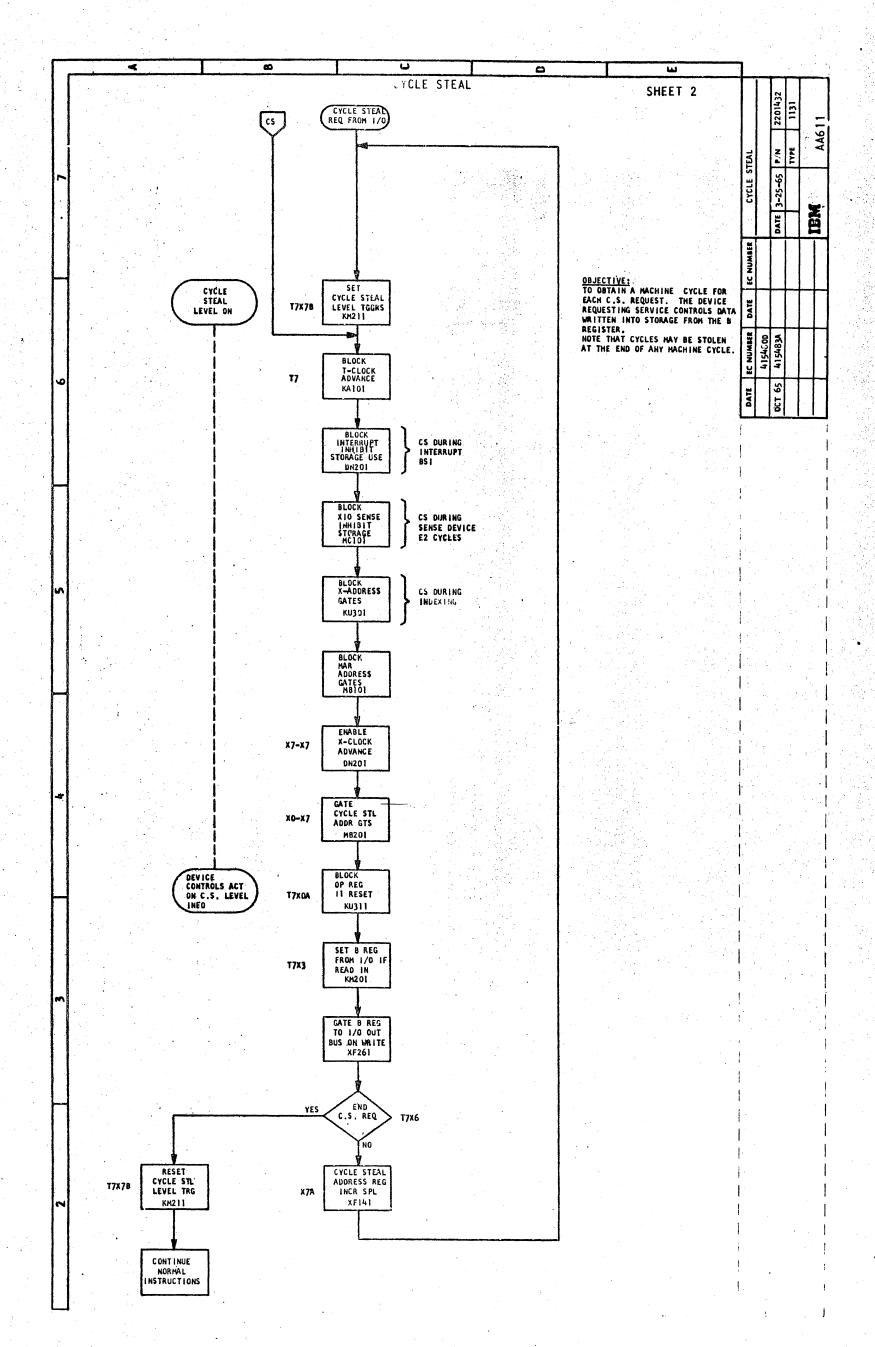


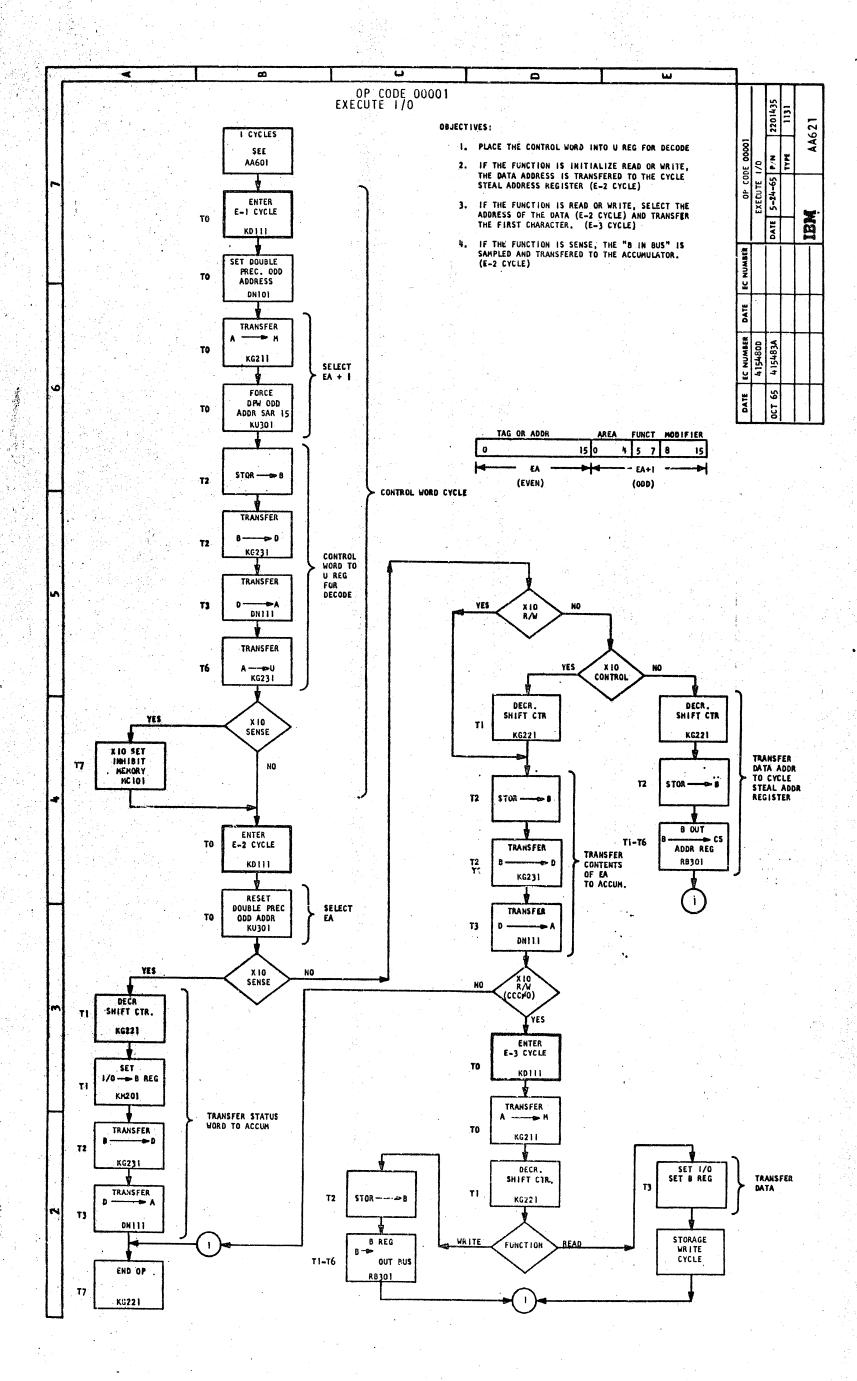








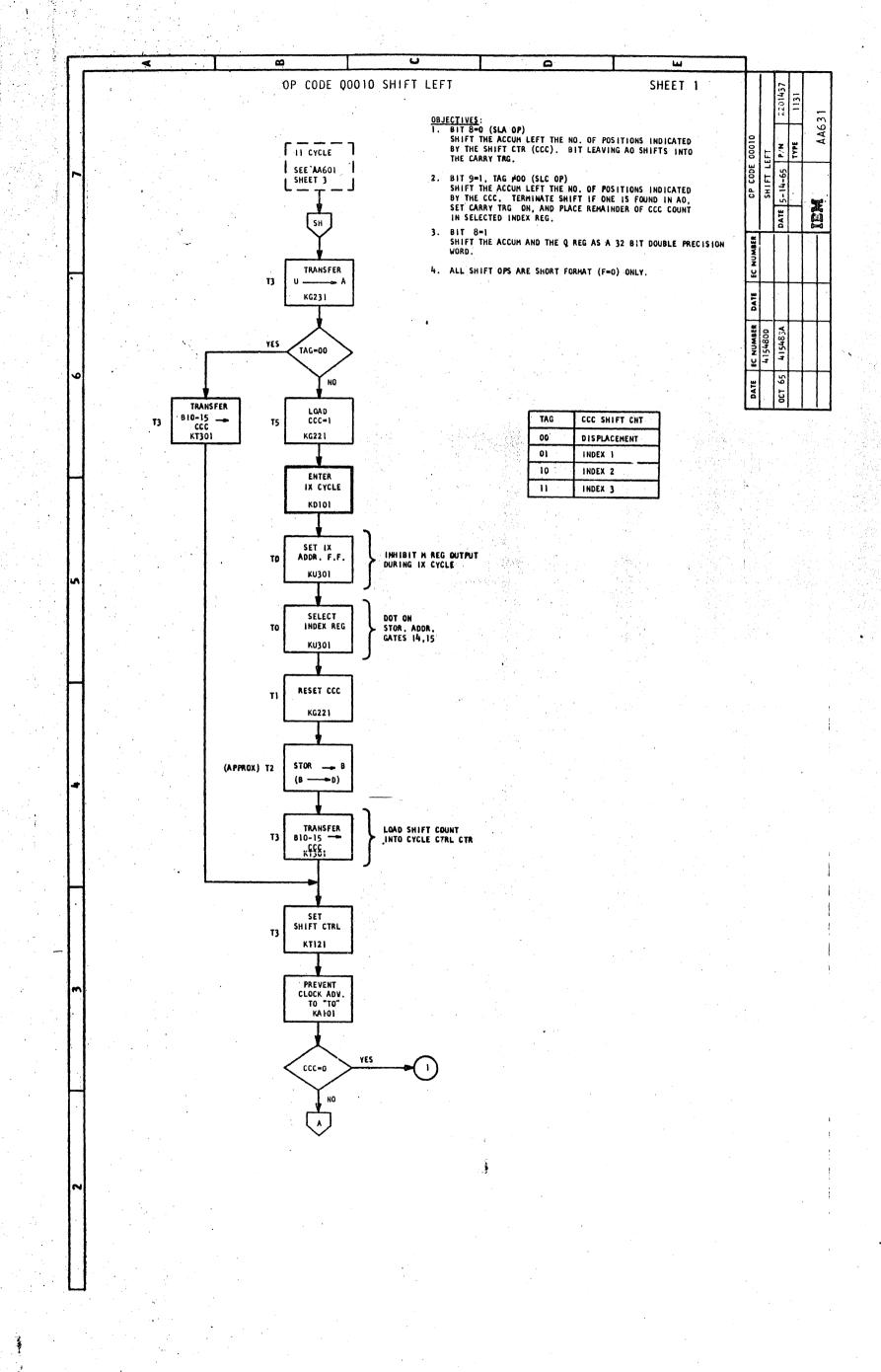


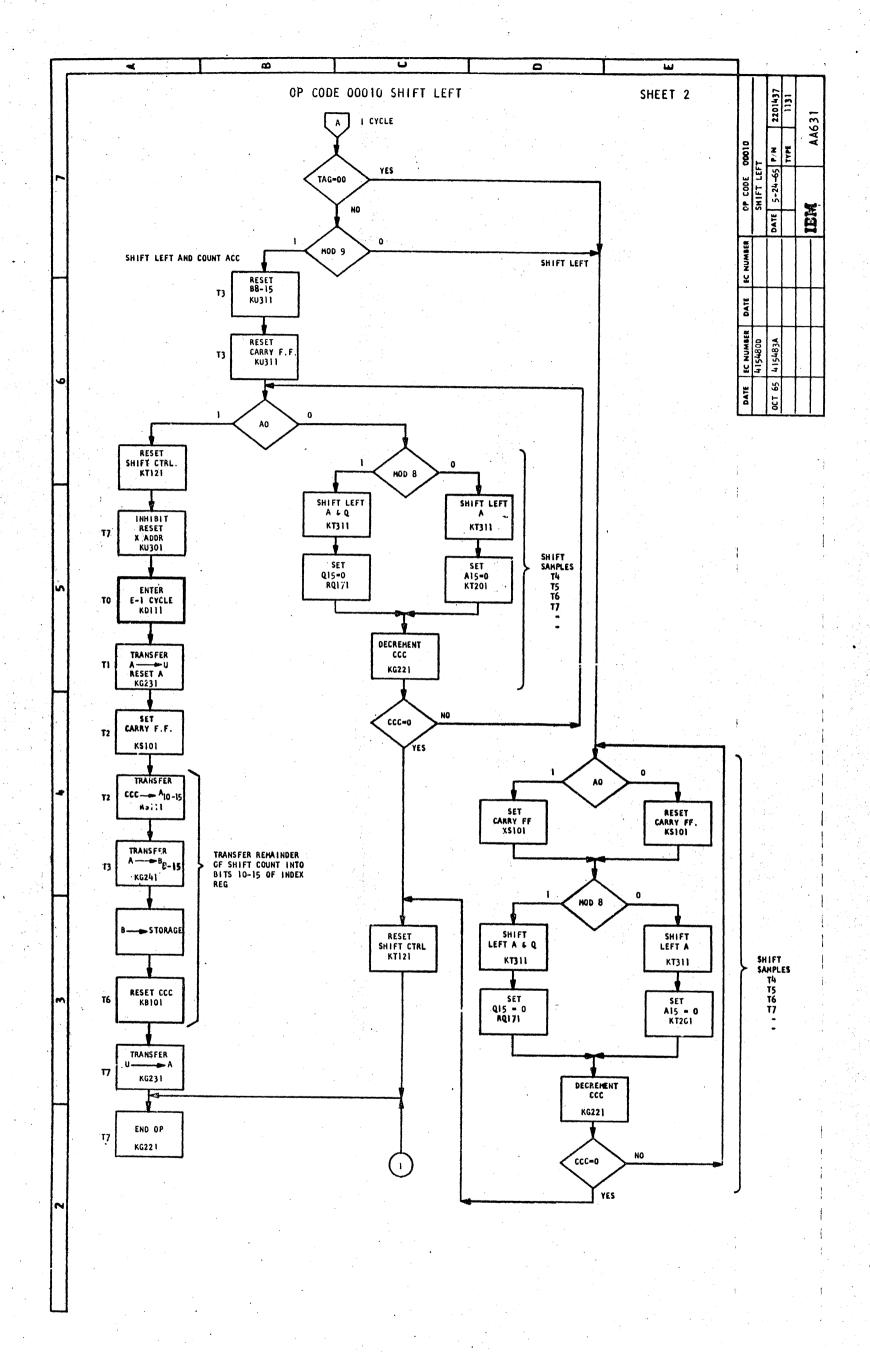


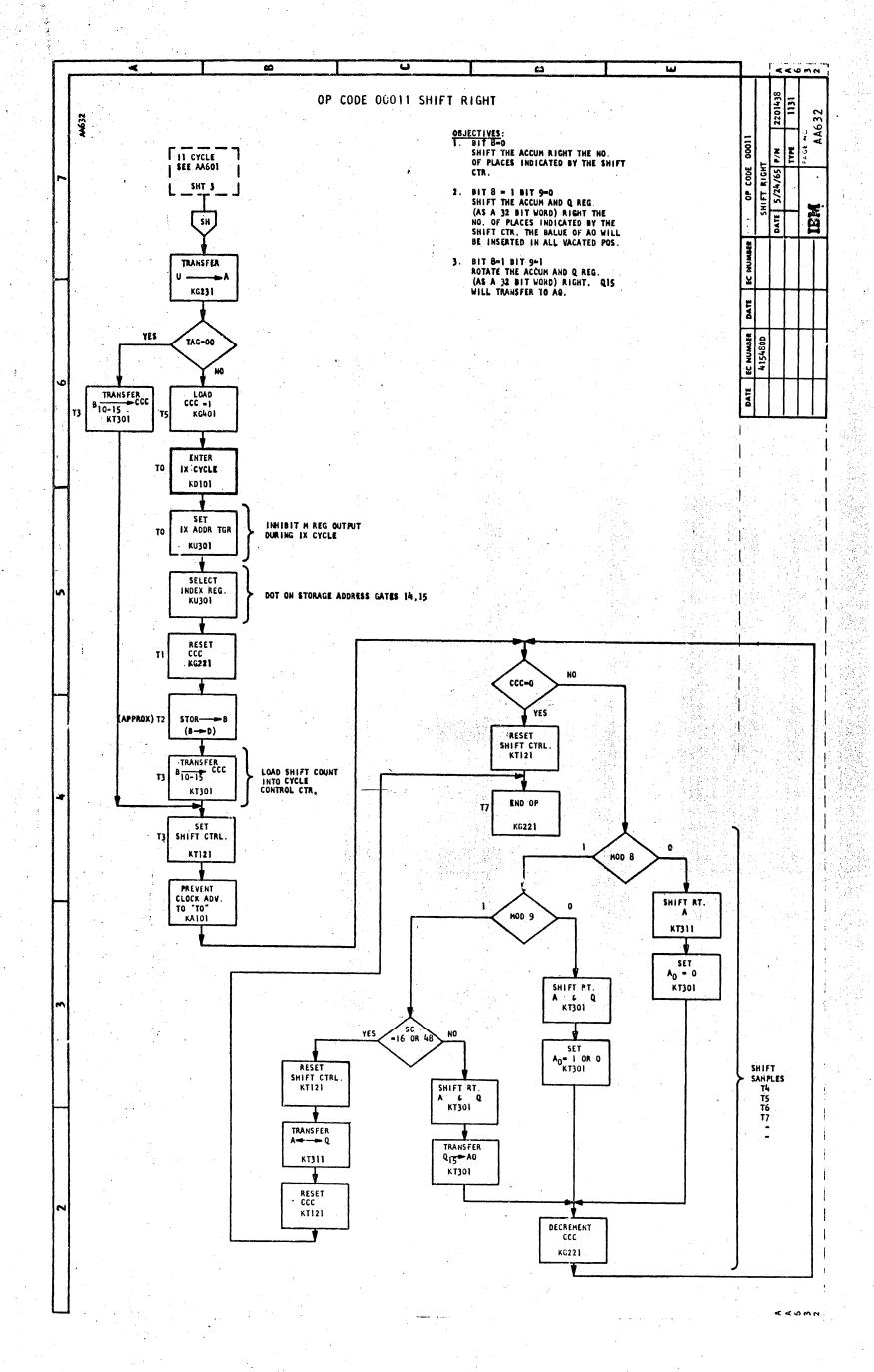
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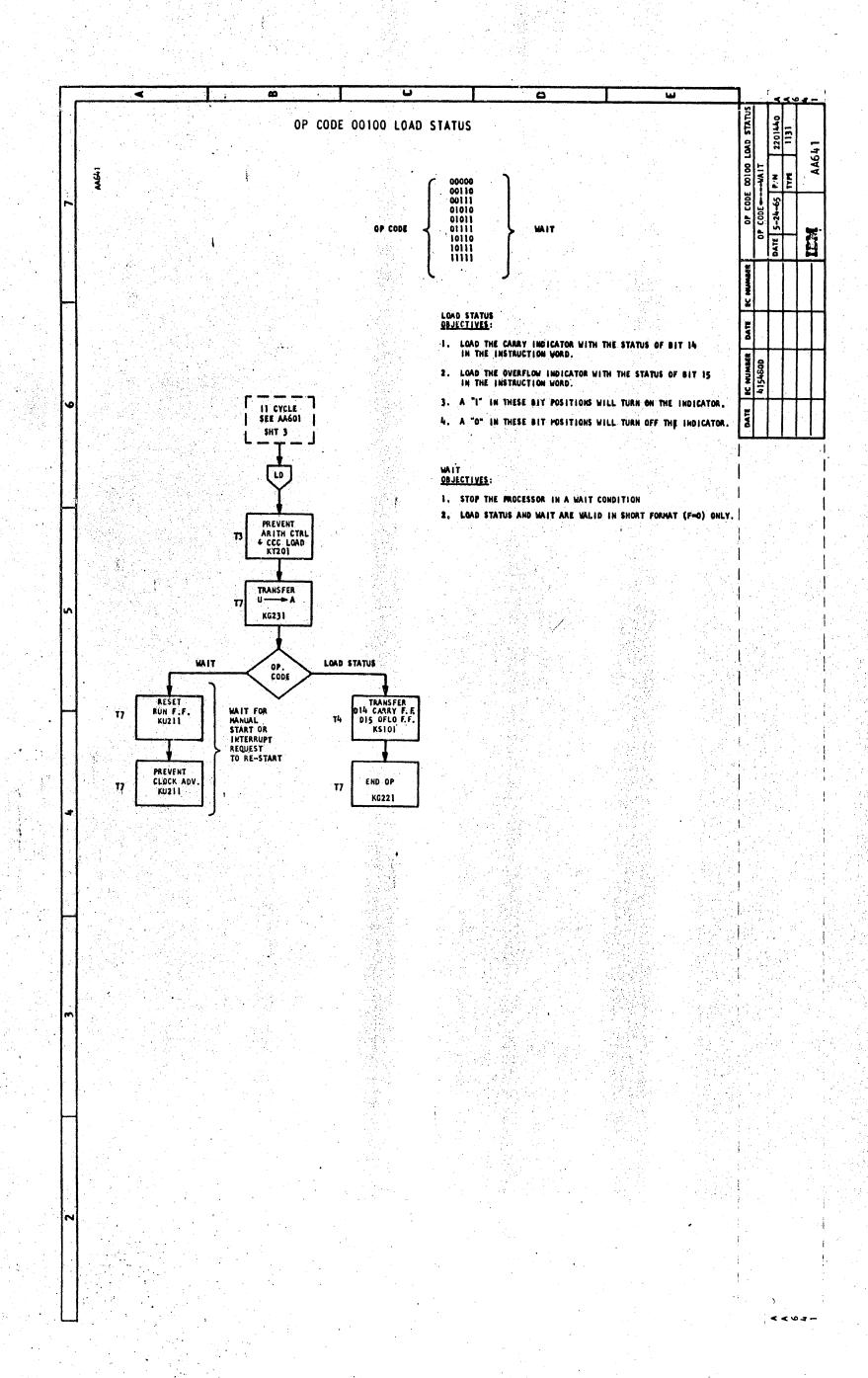
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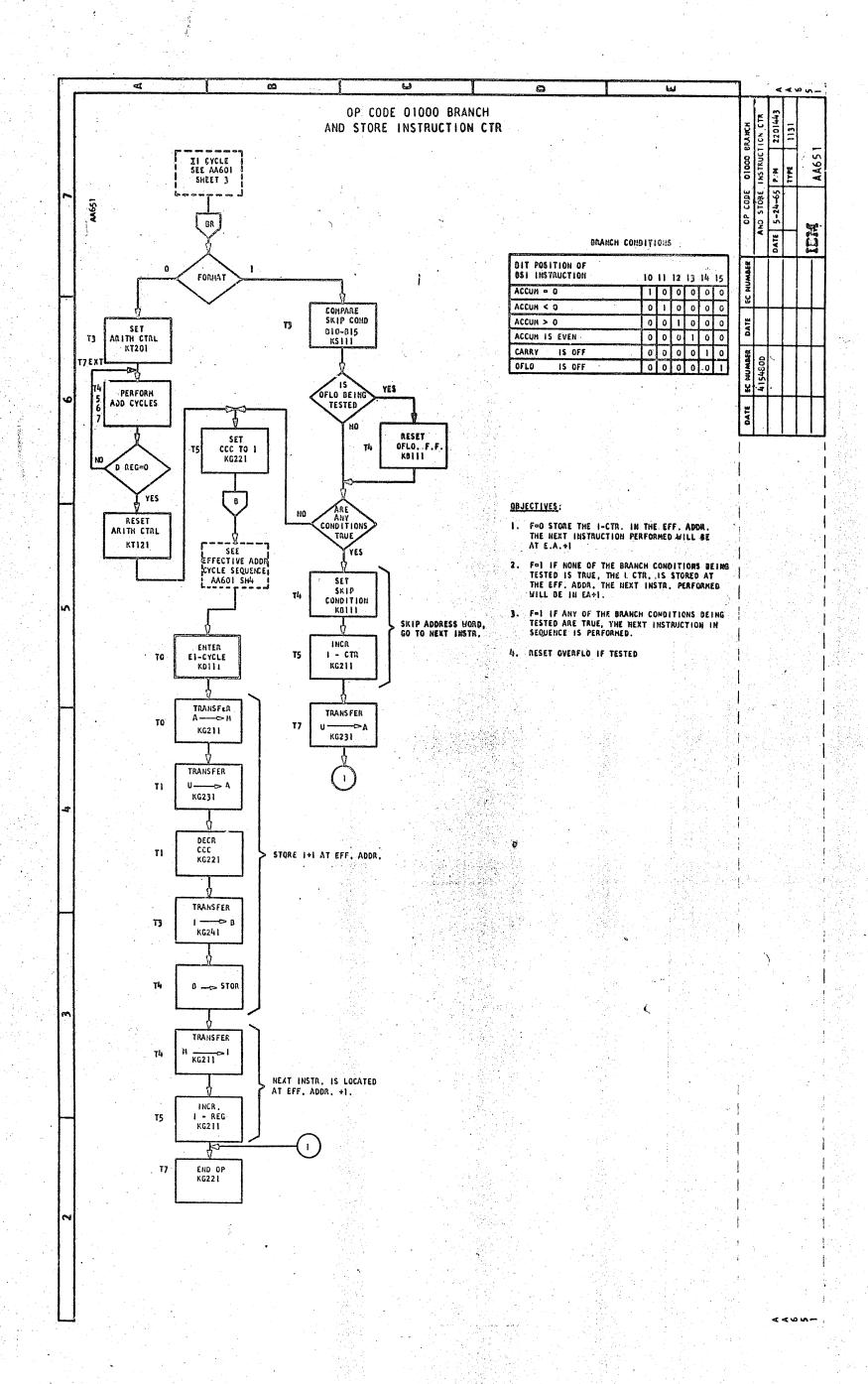


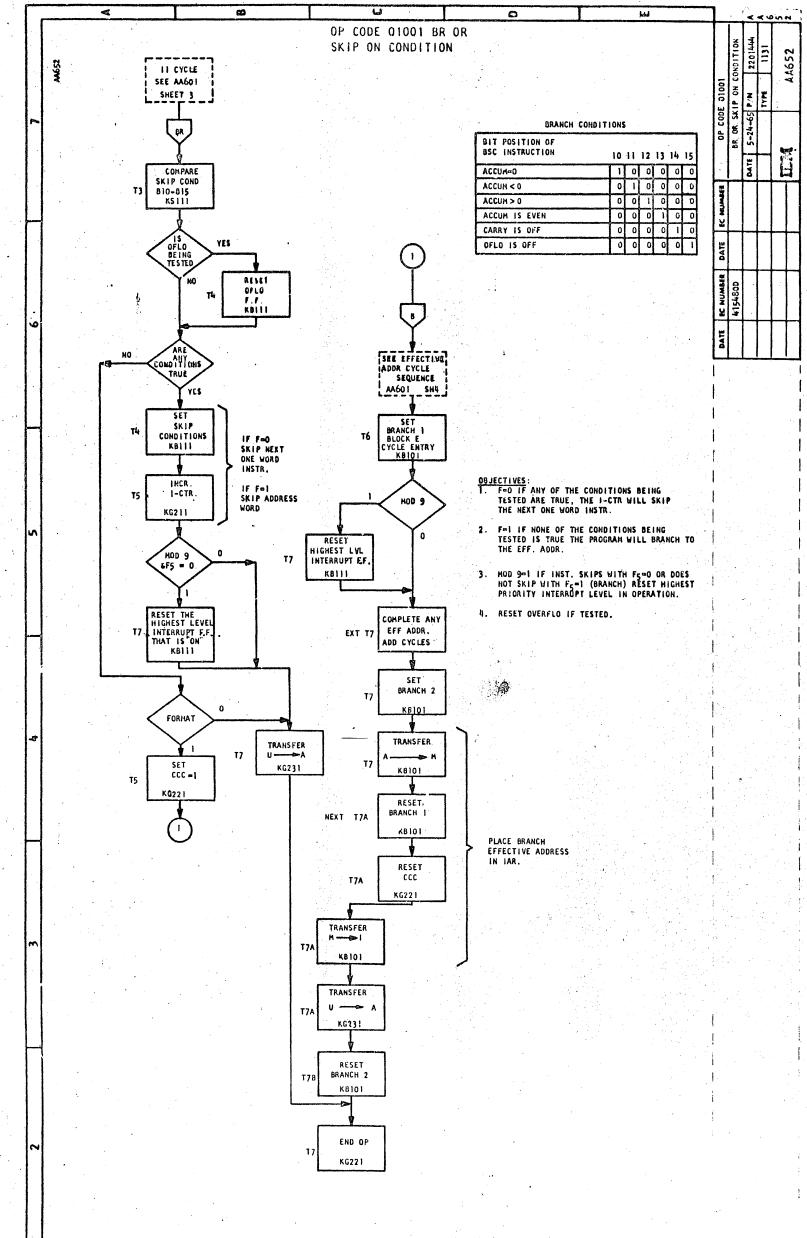
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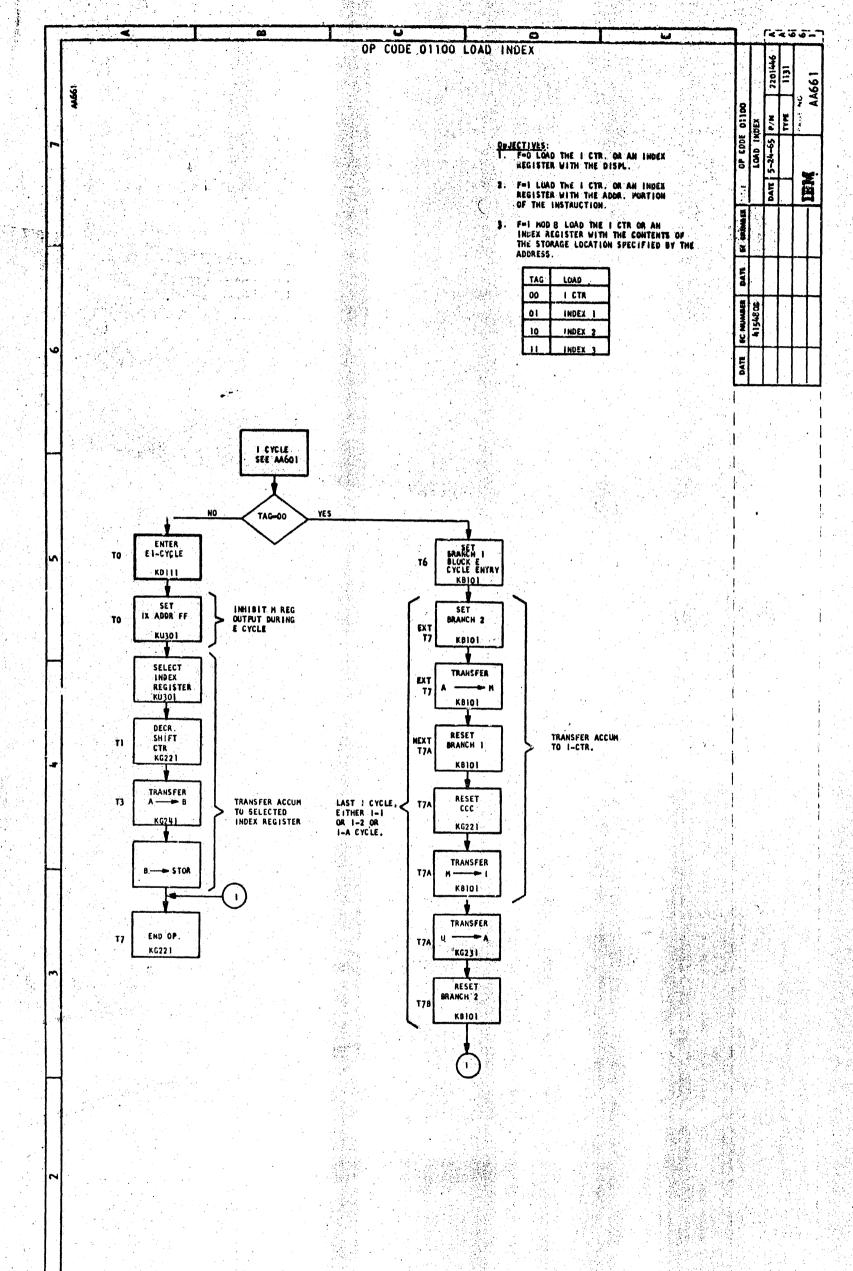
OP CODE 00101 STORE STATUS 2201441 1131 OF CODE #9101 STORE STATUS 5-24-65 P/N H CONSCILVE DATE STORE THE STATUS OF THE CARRY INDICATOR INTO BIT 14 OF THE CONTENTS OF THE EFF. STORE THE STATUS OF THE UVERFLOW INDICATOR INTO BIT 15 OF THE CONTENTS OF THE EFF. ADDR. IF THE INDICATOR IS ON A "ONE" WILL BE STORED. DATE IF THE INDICATOR IS OFF A "ZERO" WILL BE STORED EC NUMBER RESET CARRY AND OVERFLOW. I CYCLES SEE AAGOT ENTER E-I CYCLE TO TRANSFER SELECT CONTENTS OF EFF. ADDR. TO KG211 RESET TO MUSE B A-REG KU311 DECREMENT CCC TI KG221 TRANSFER 12 KG231 TRANSFER CARRY-A14 OFLO-A15 KS101,KS111 T2 RESET CARRY & T2 OFLO. F.F. K\$101,K\$111 TRANSFER T3 8-15 KG241 END OP

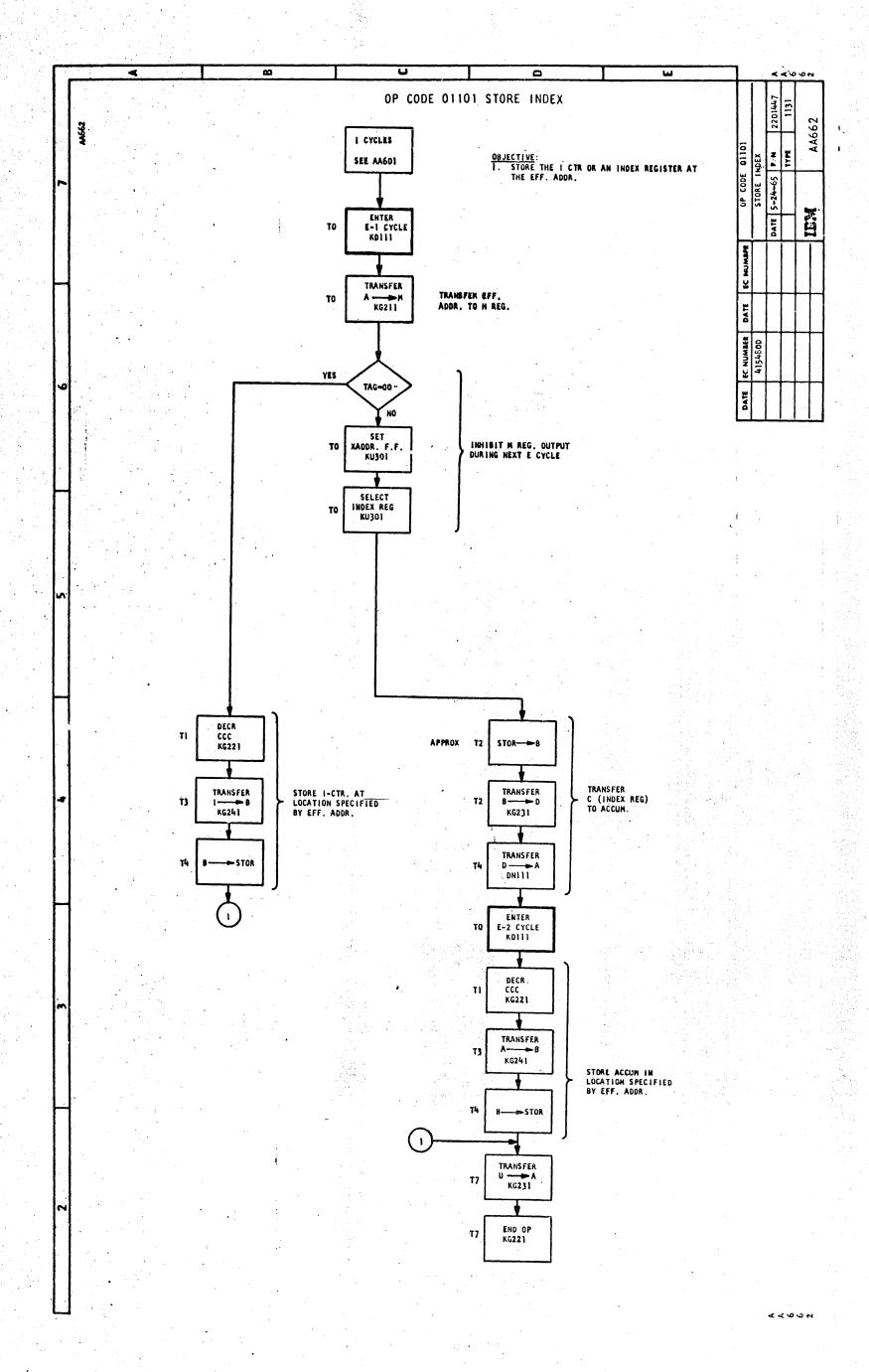
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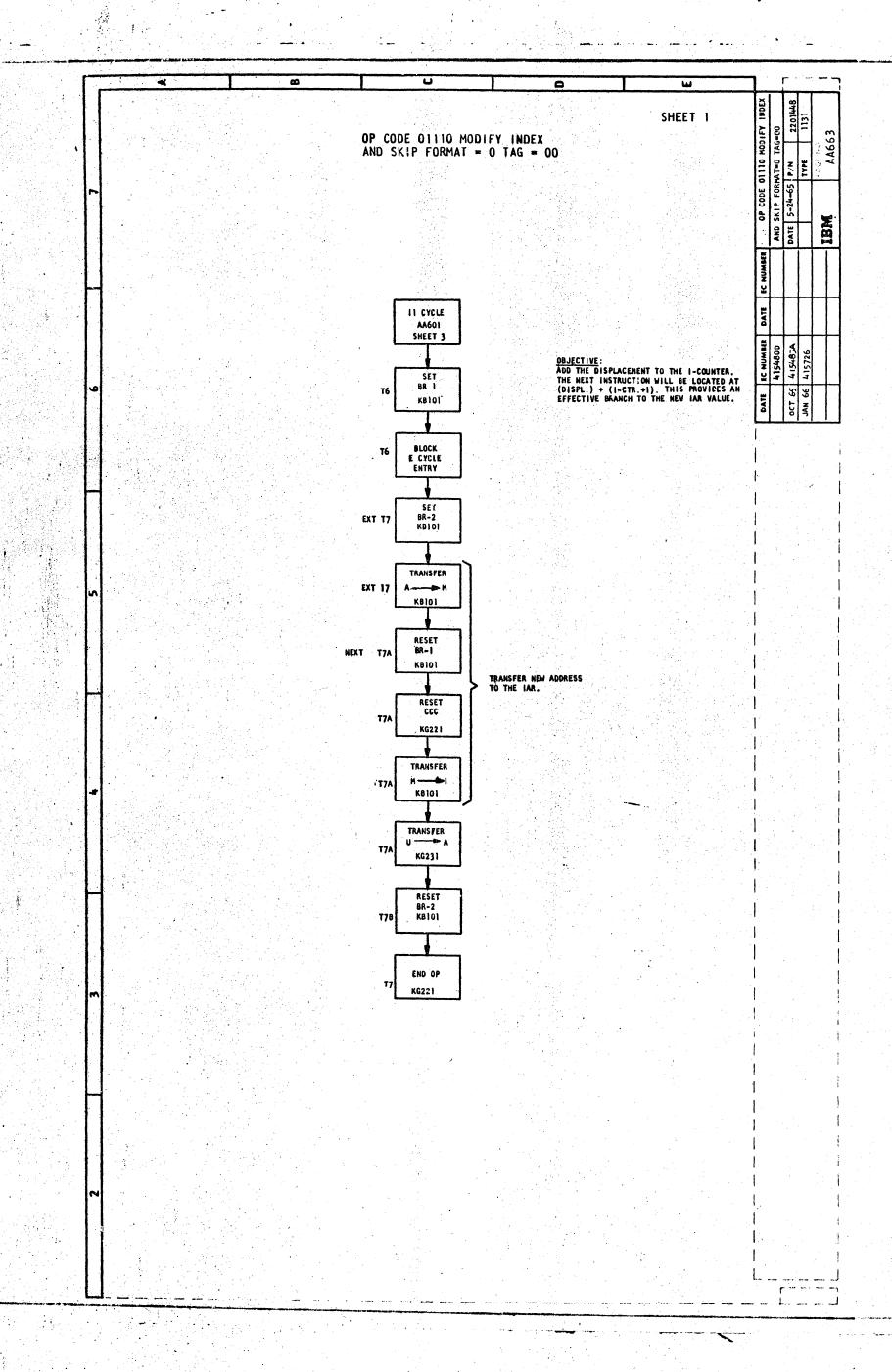


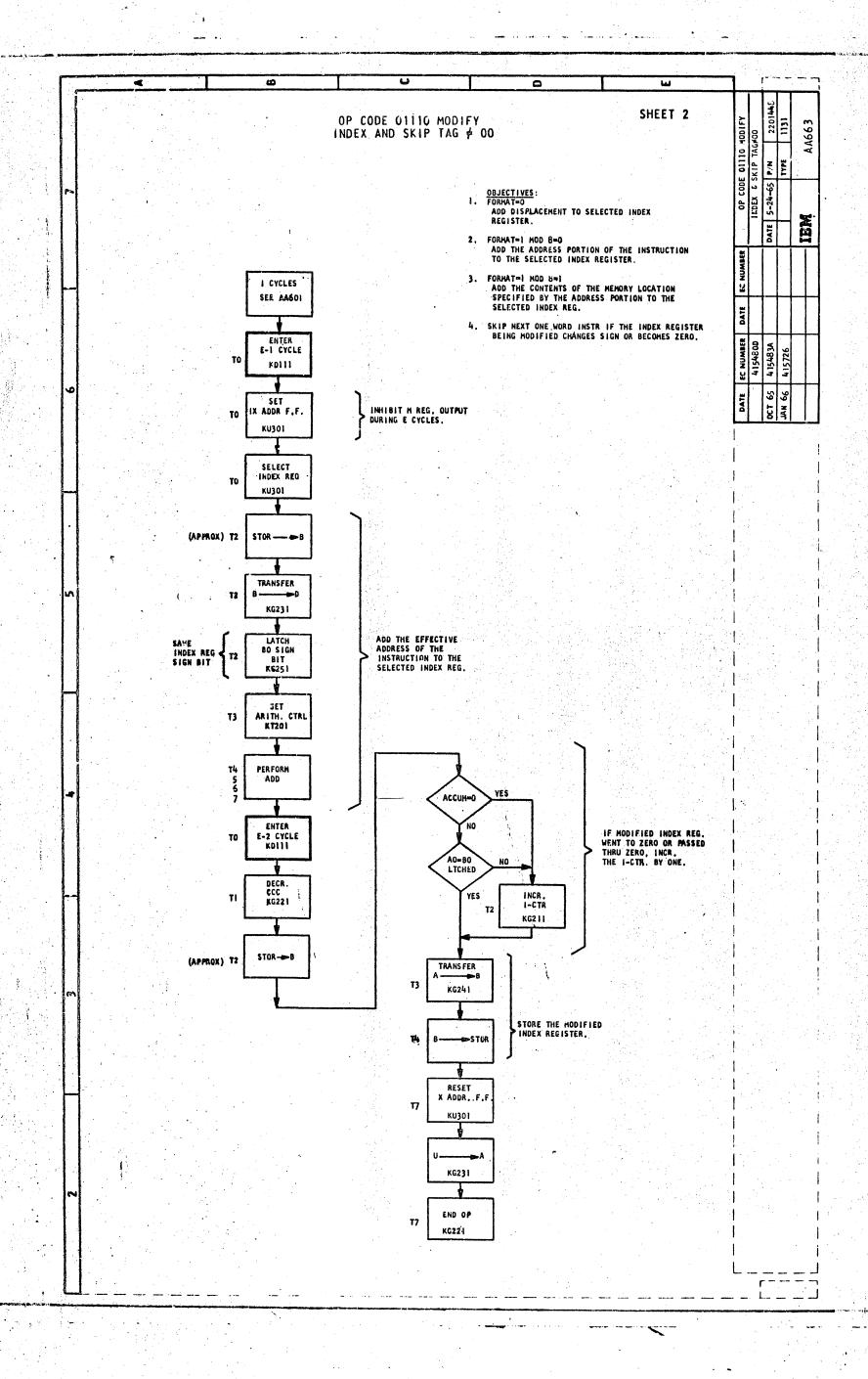


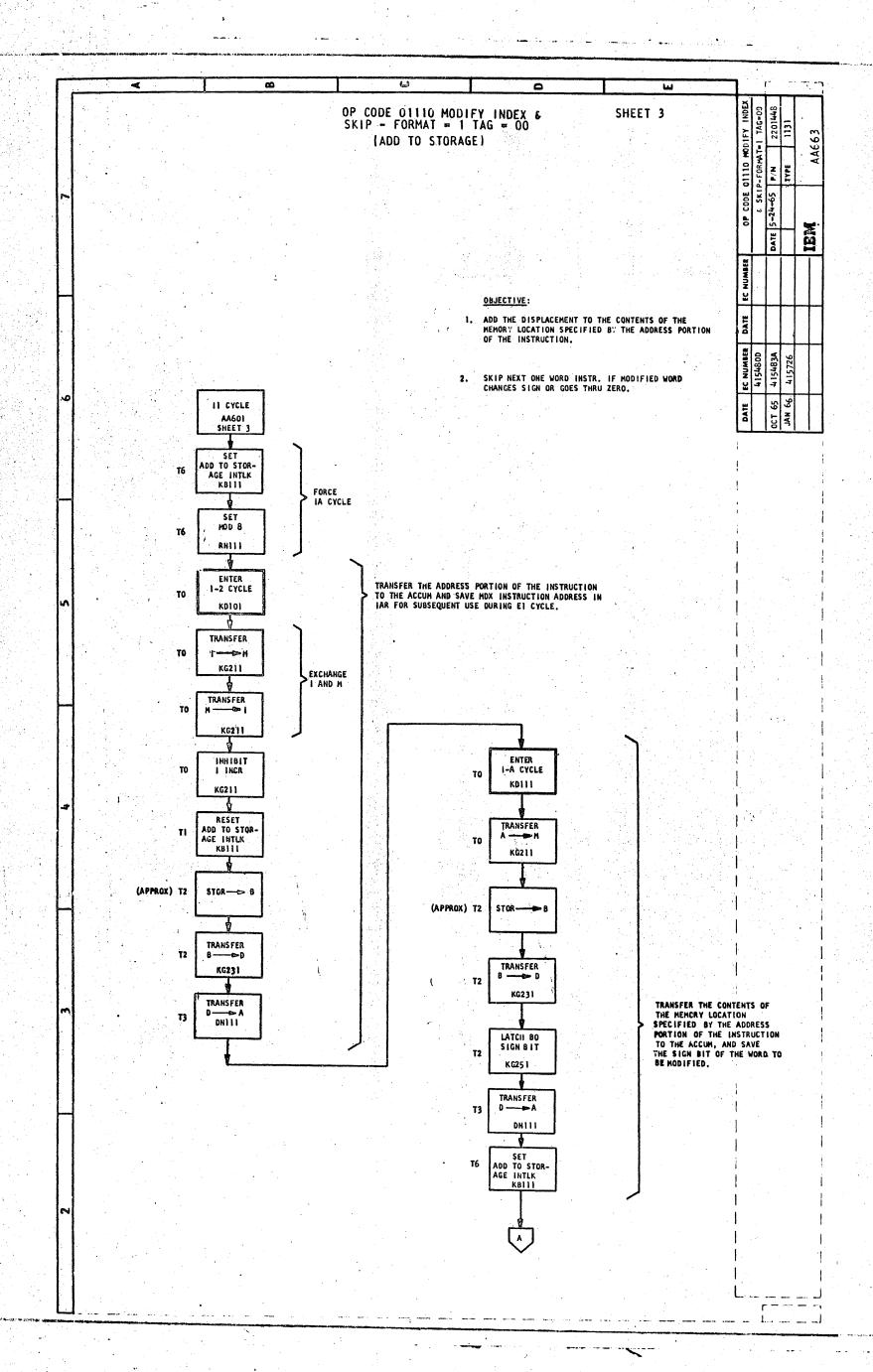
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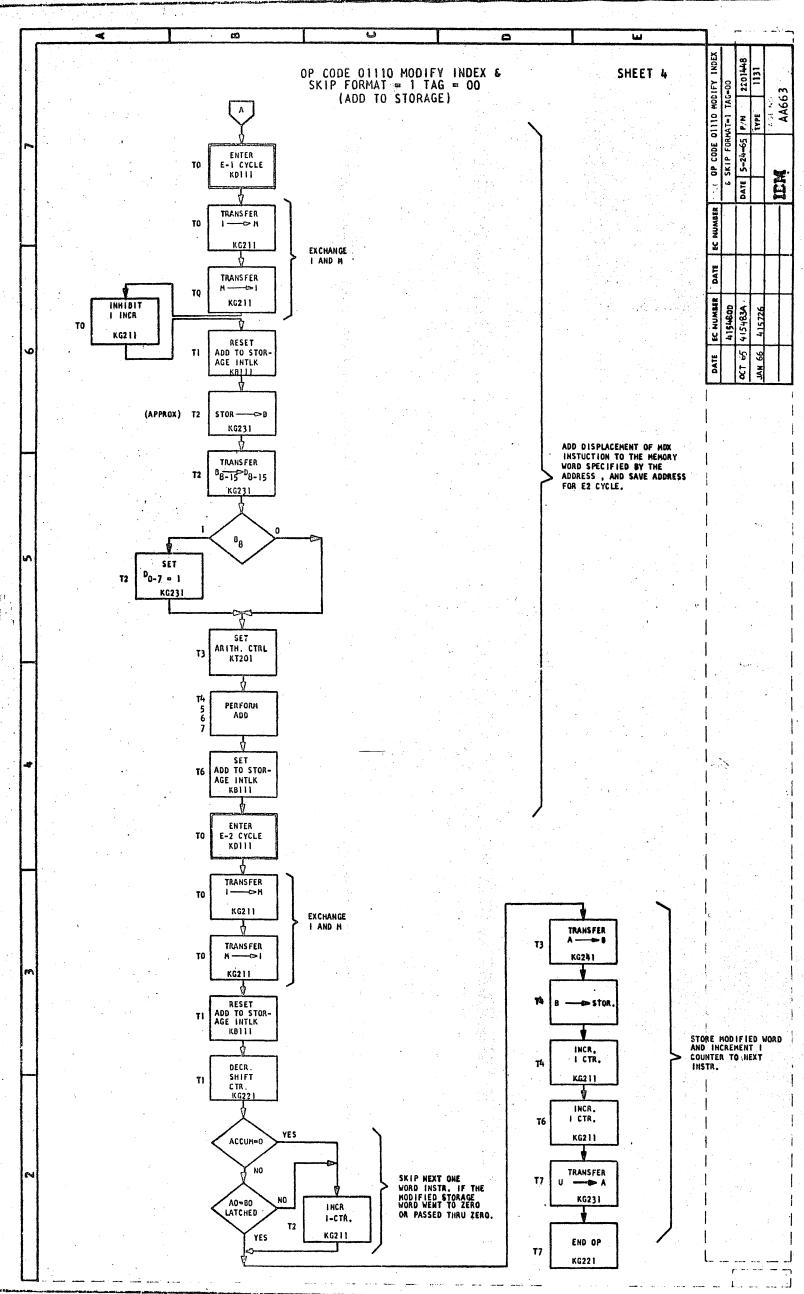


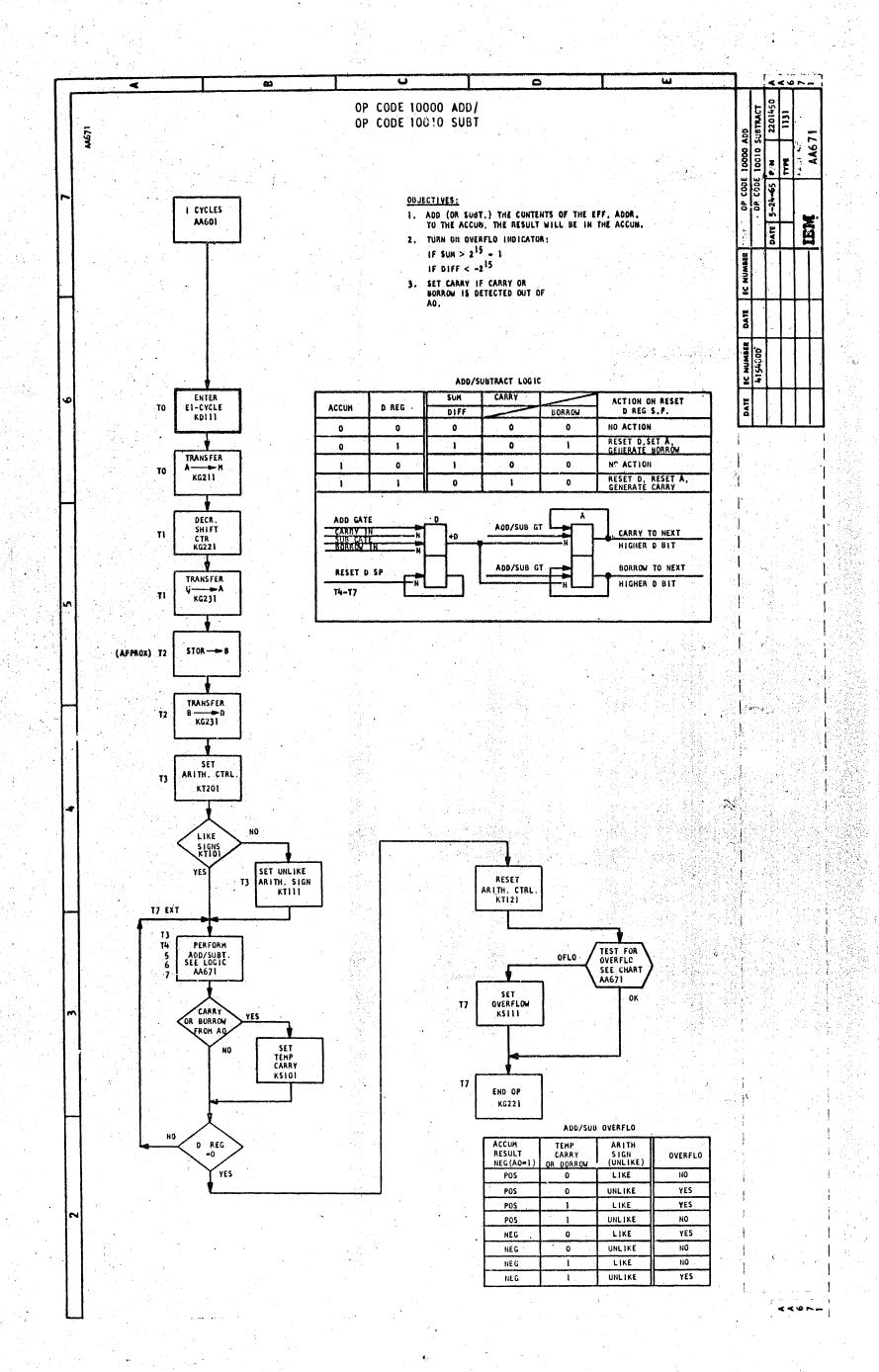


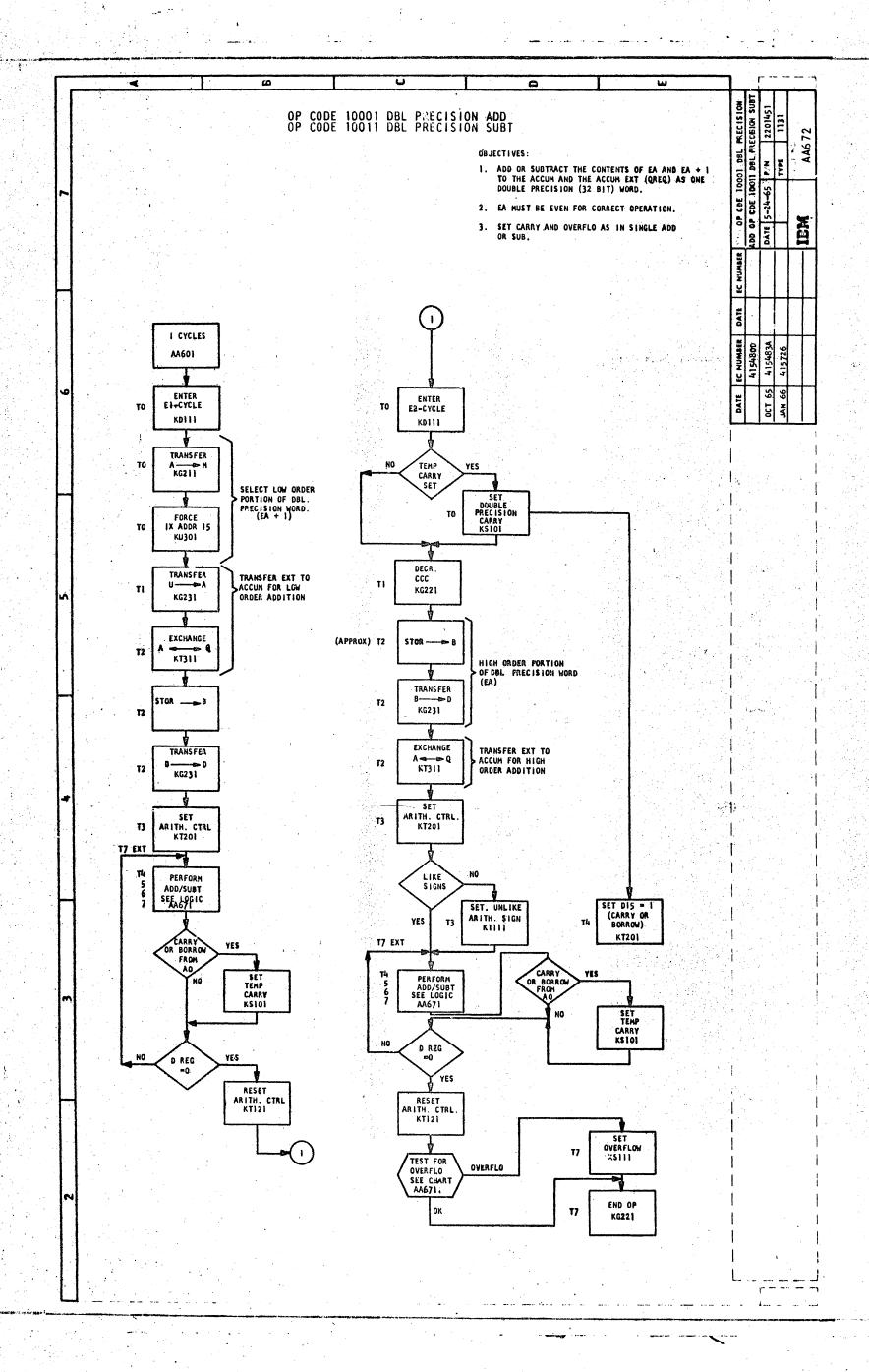


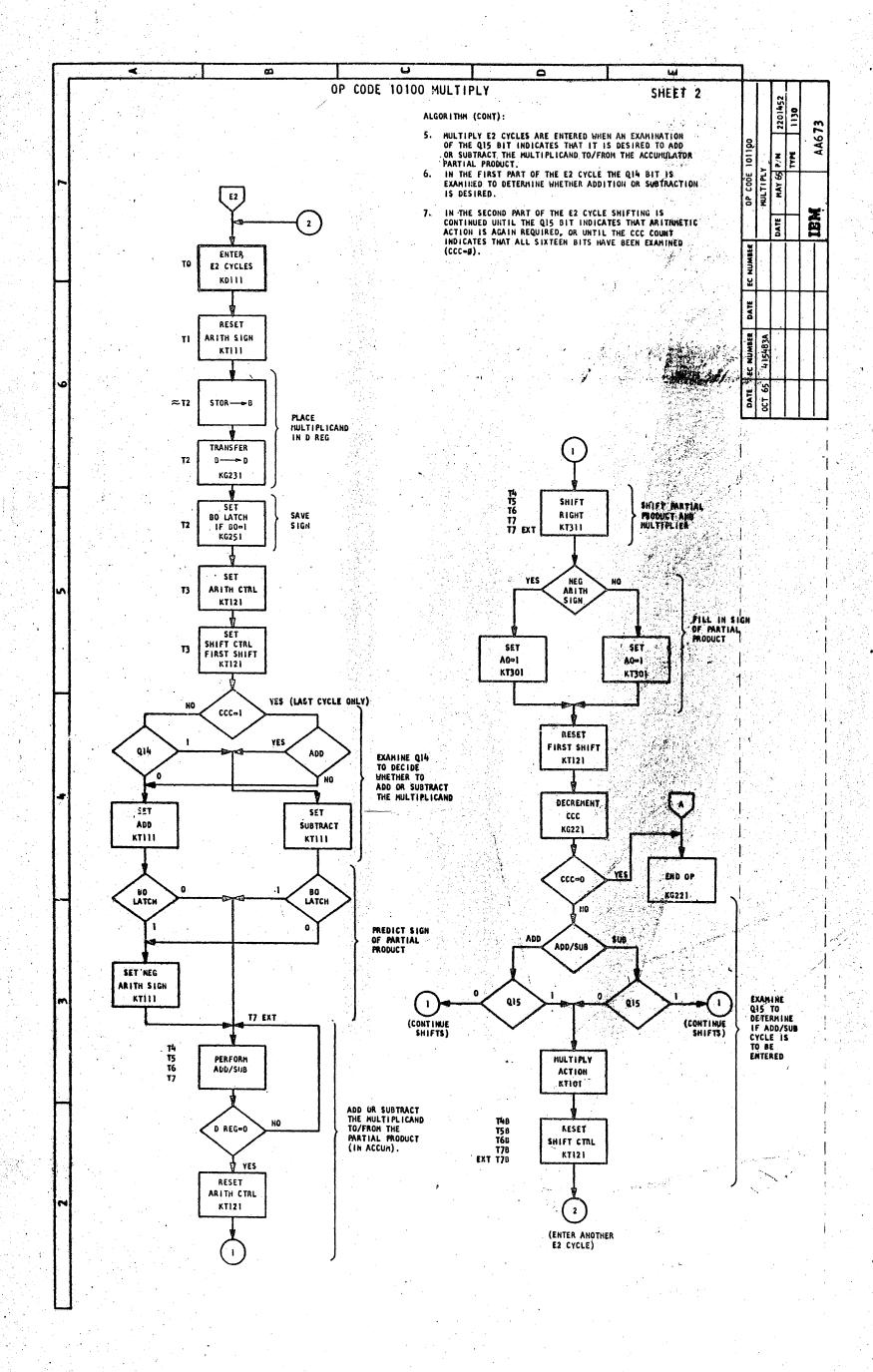


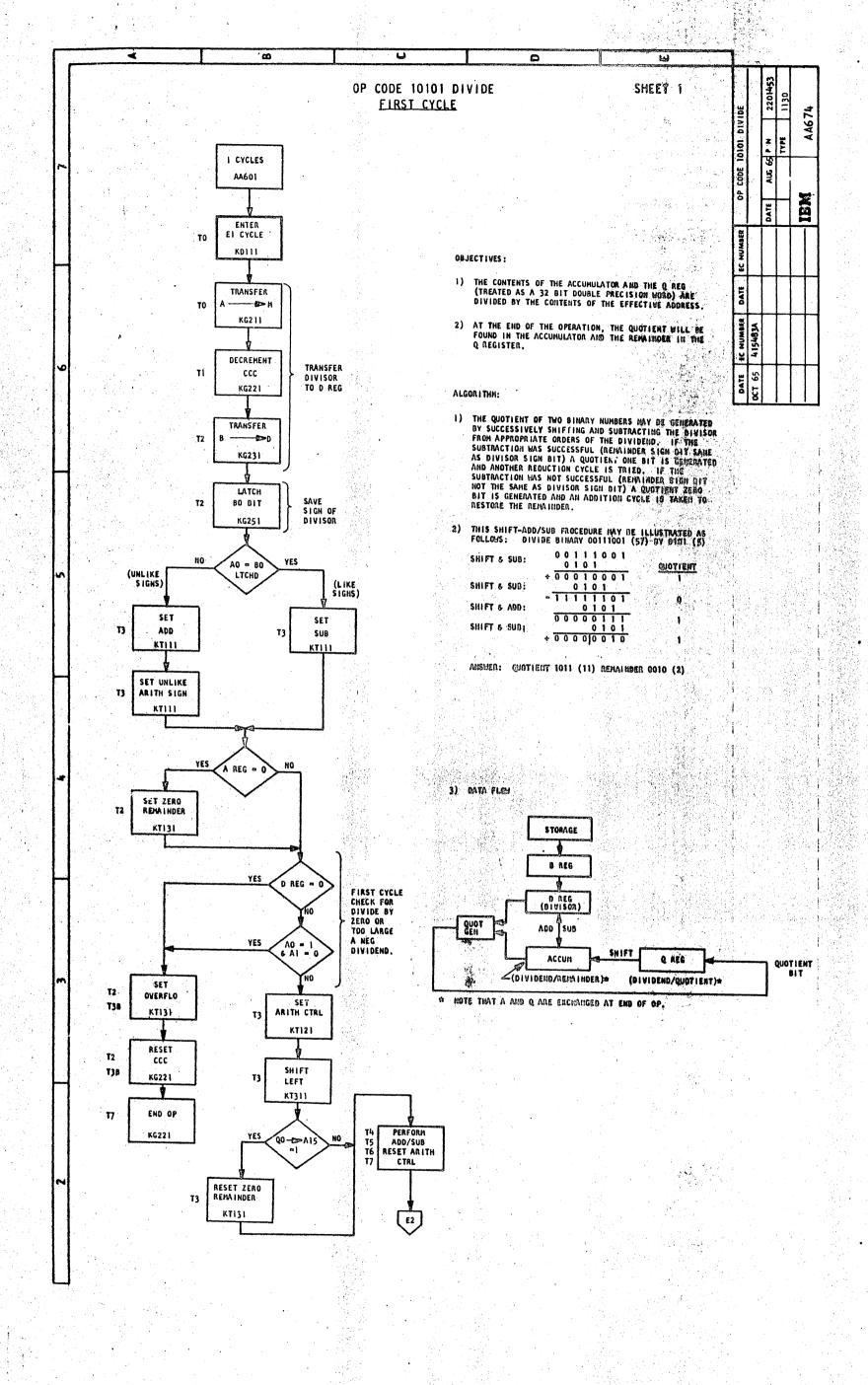


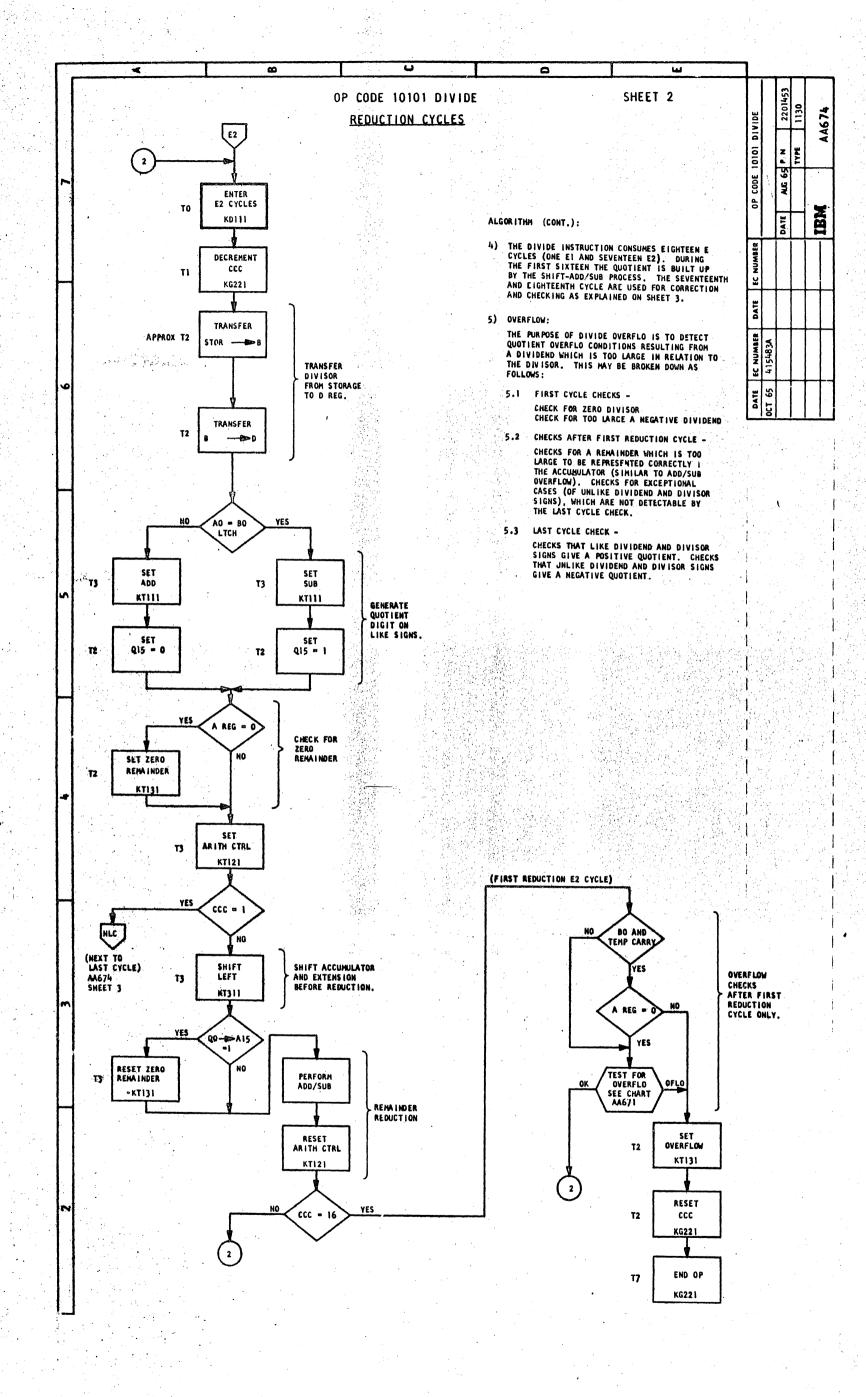


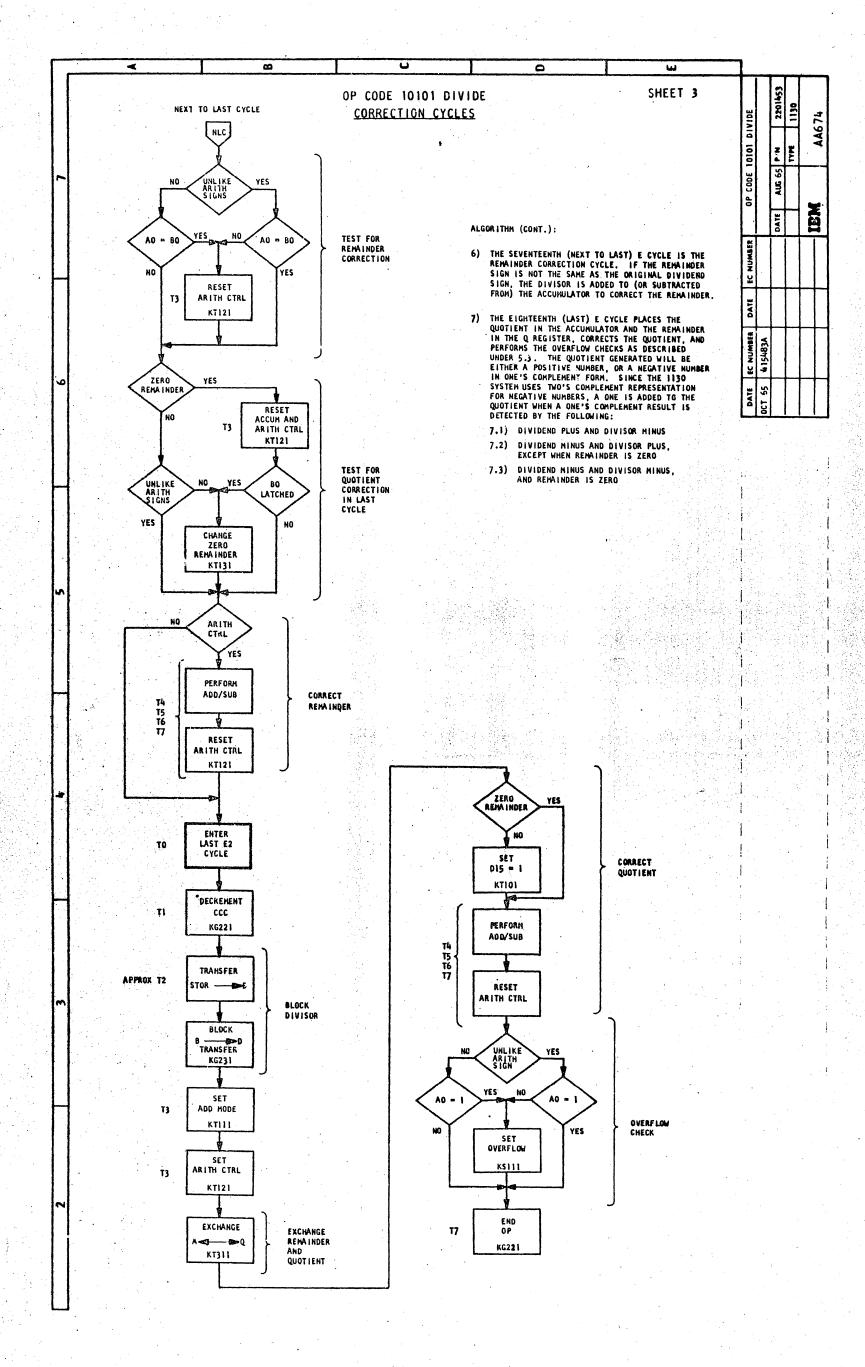




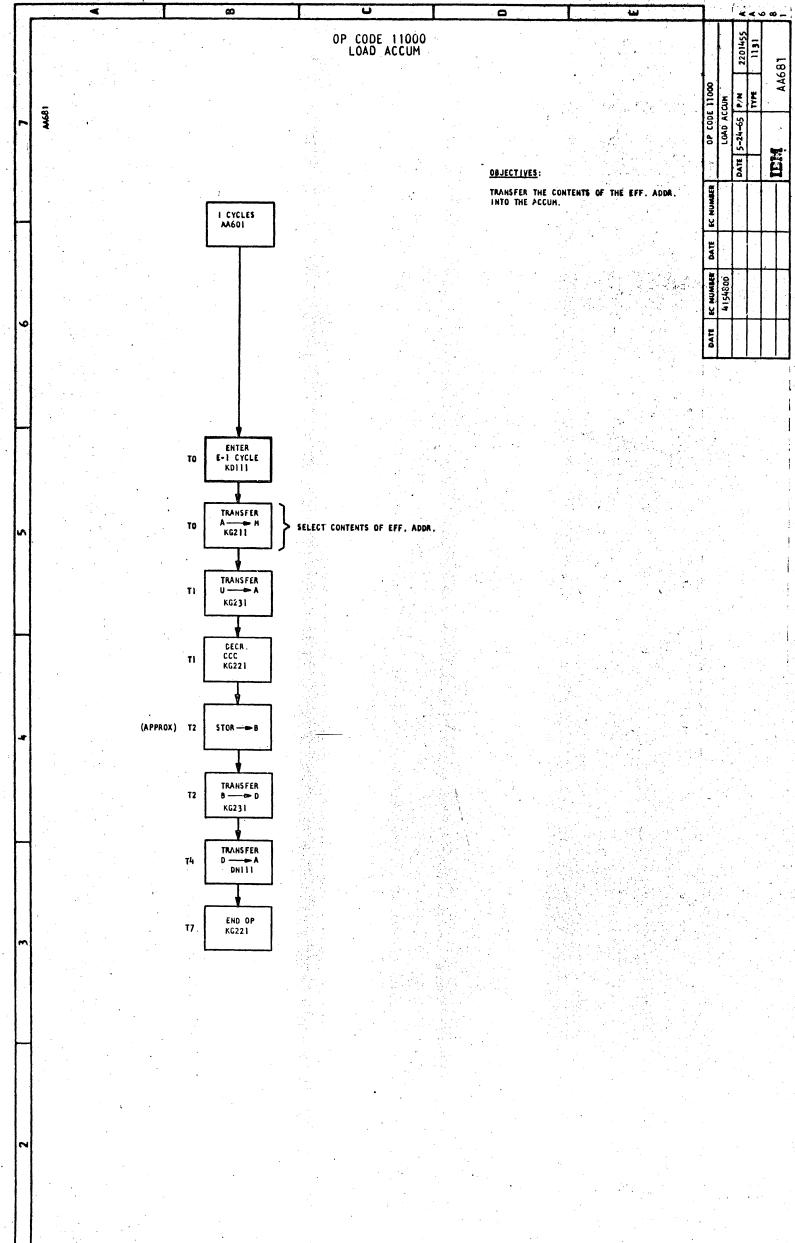




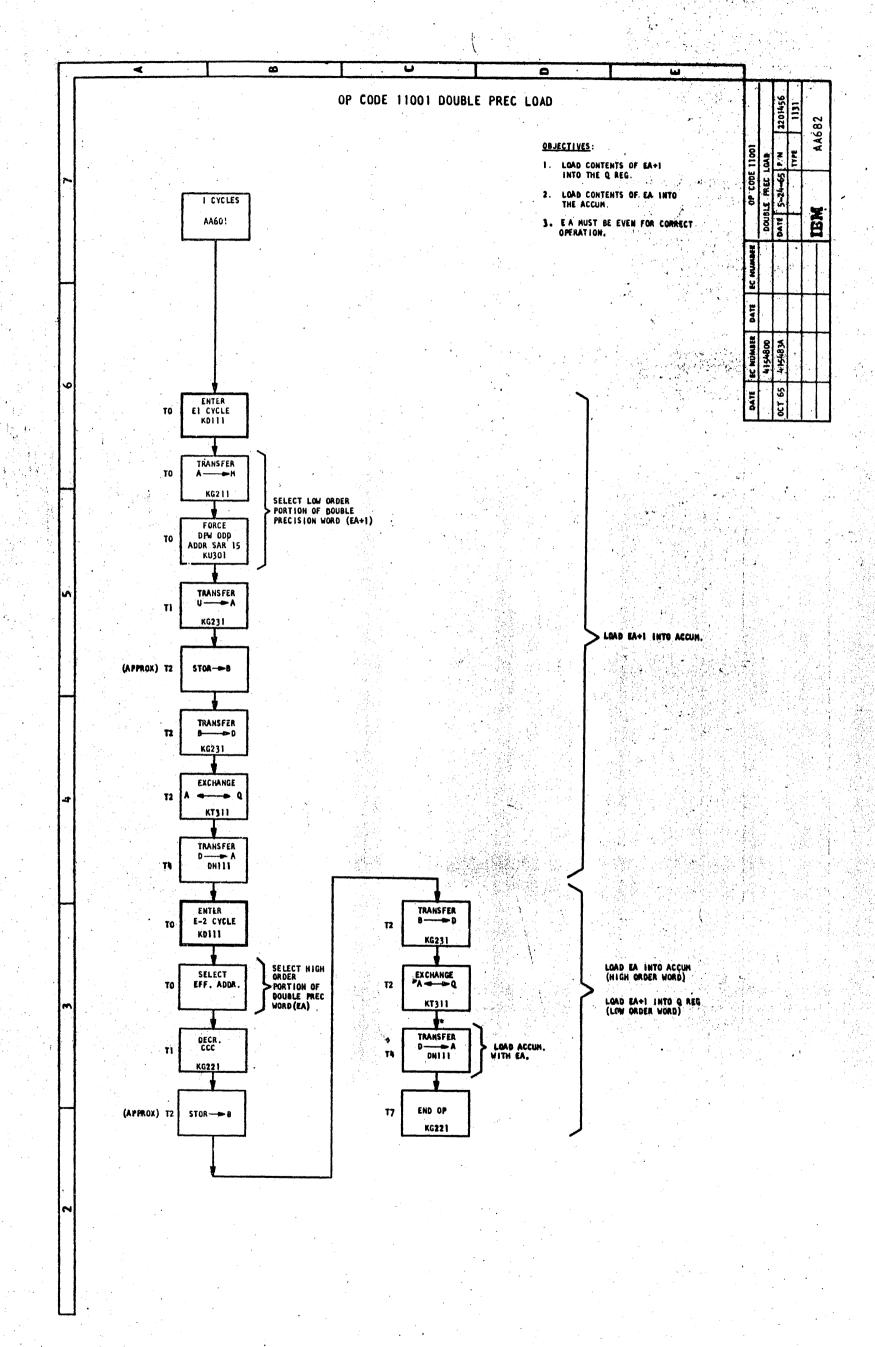


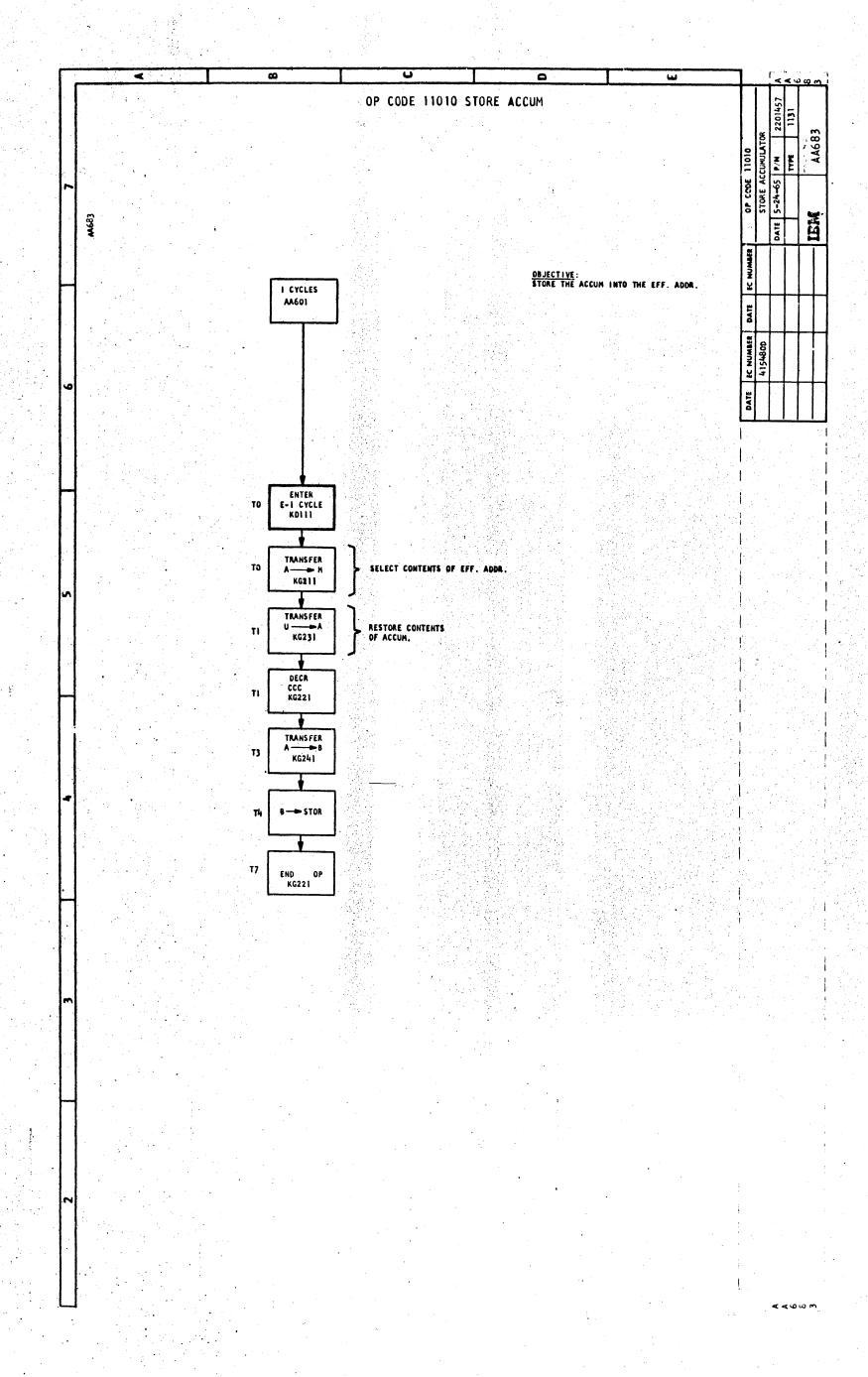


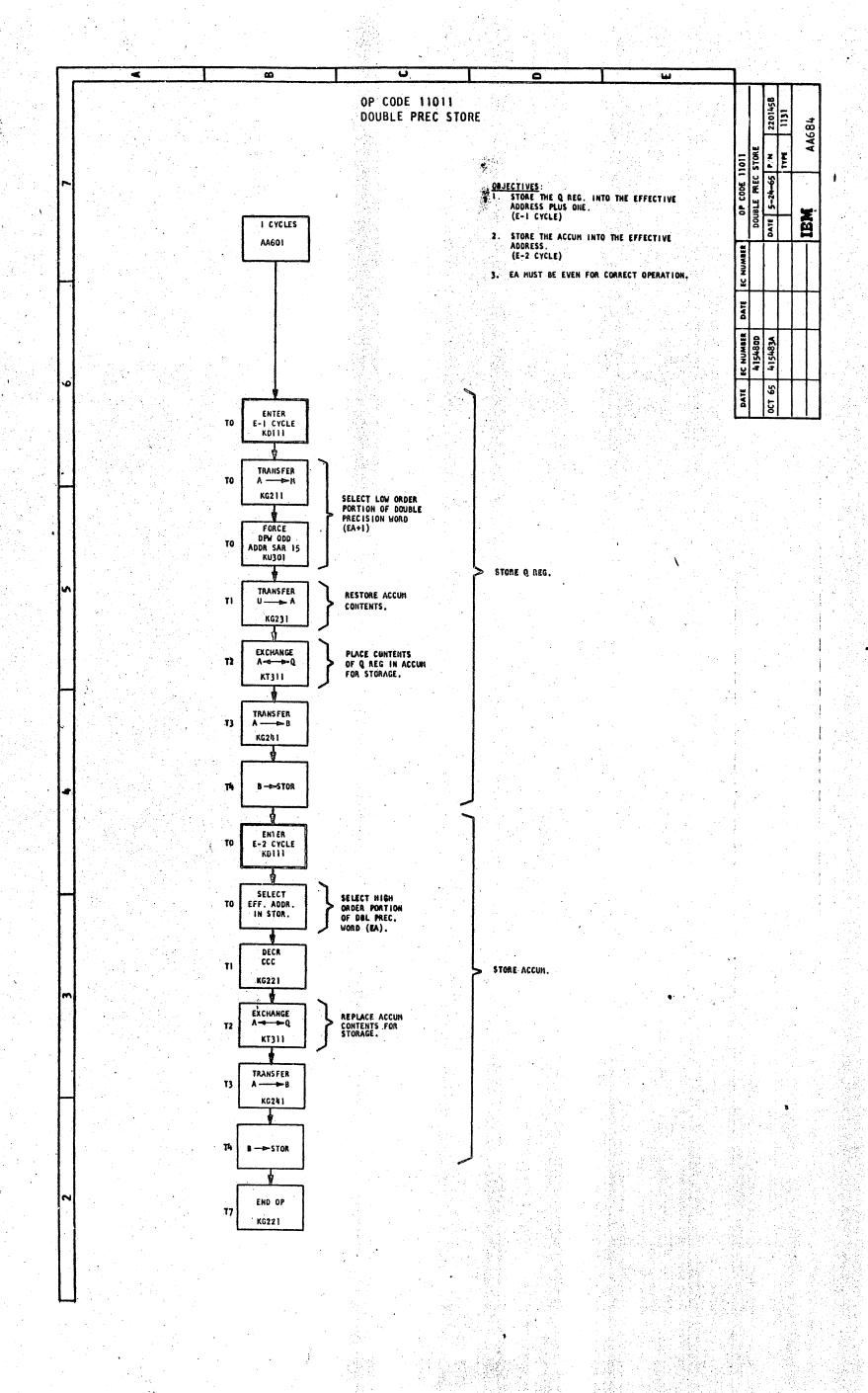
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4 4 V 80 F



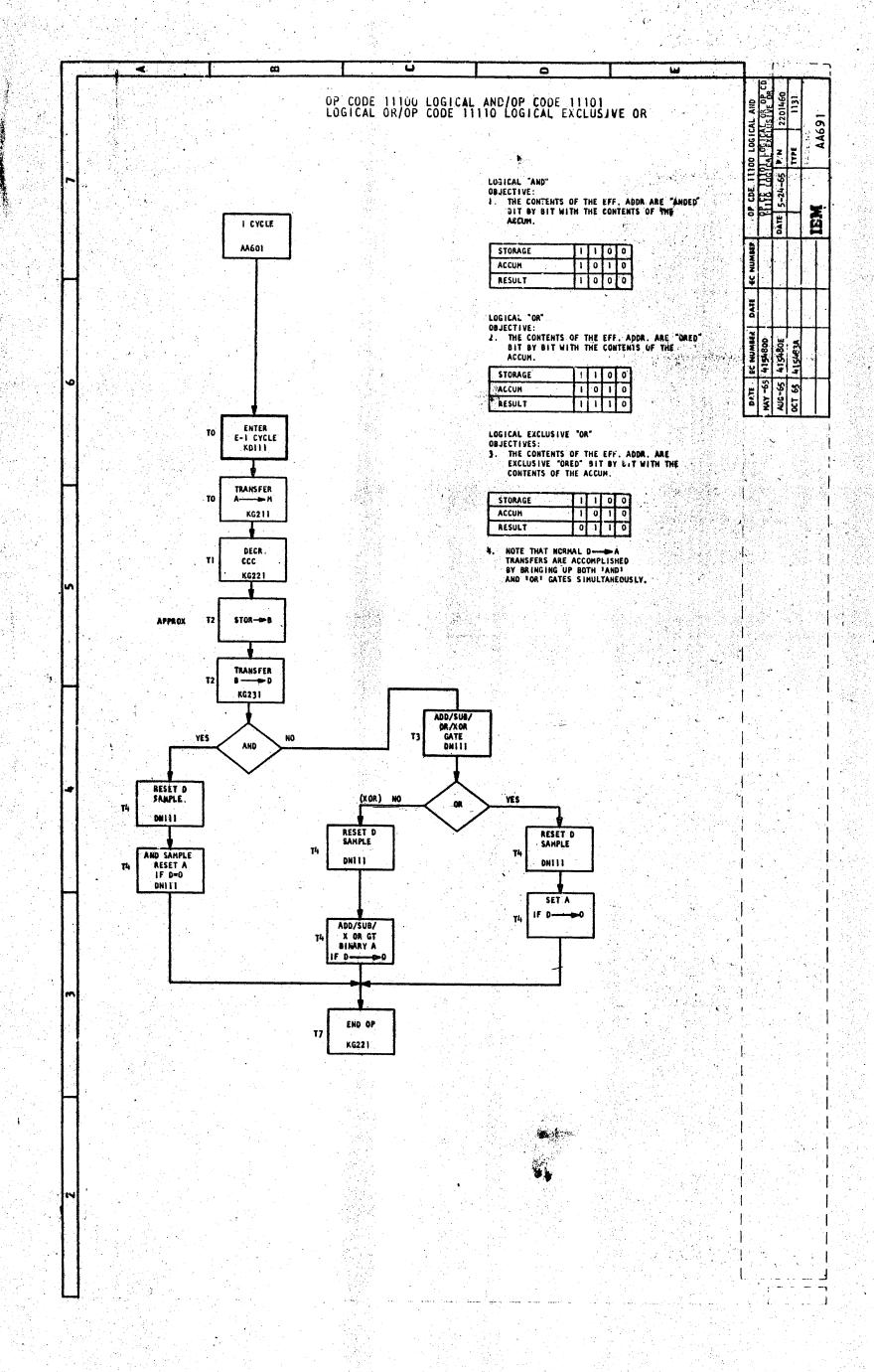




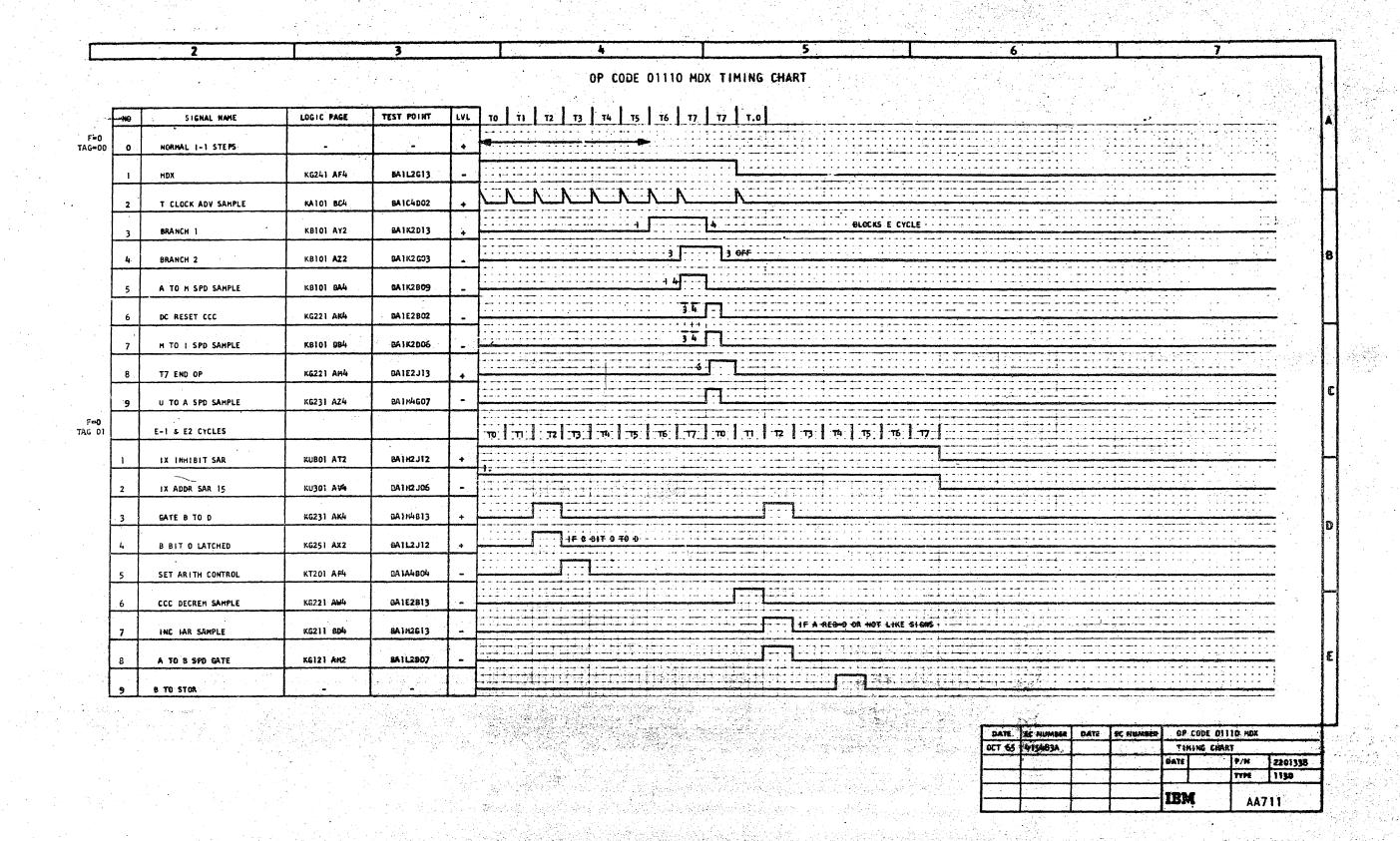
Schaller, J

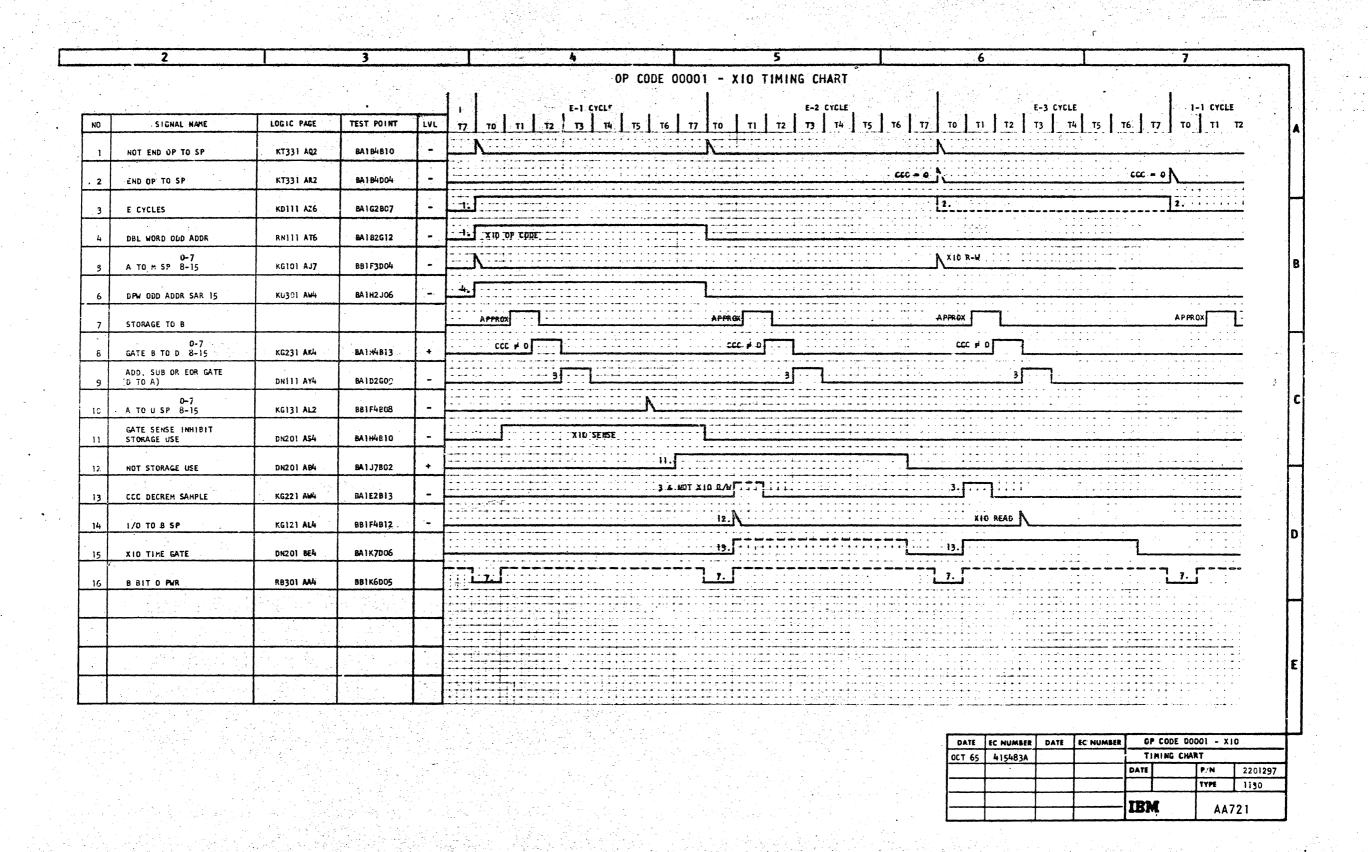
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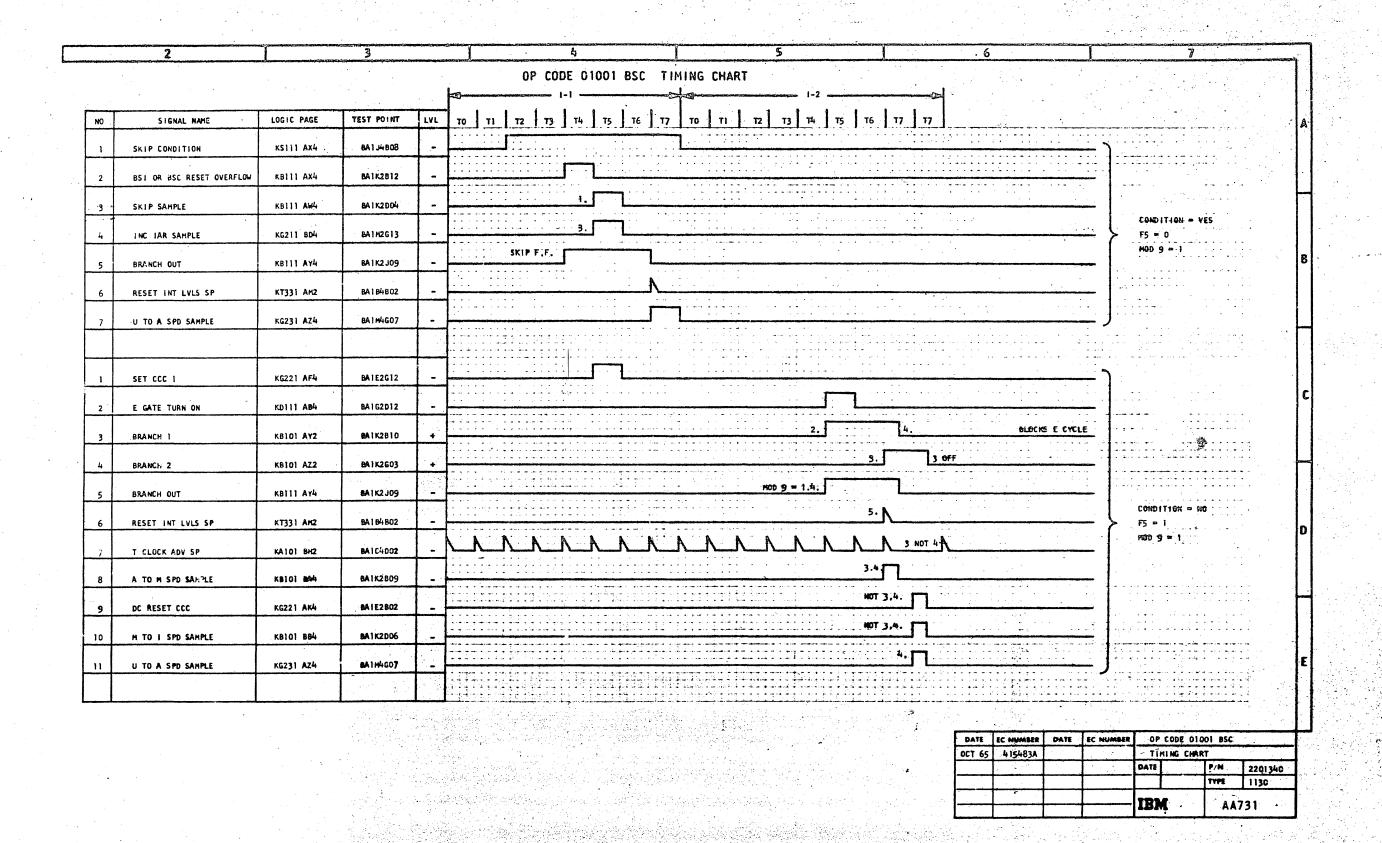
Andrew Commence

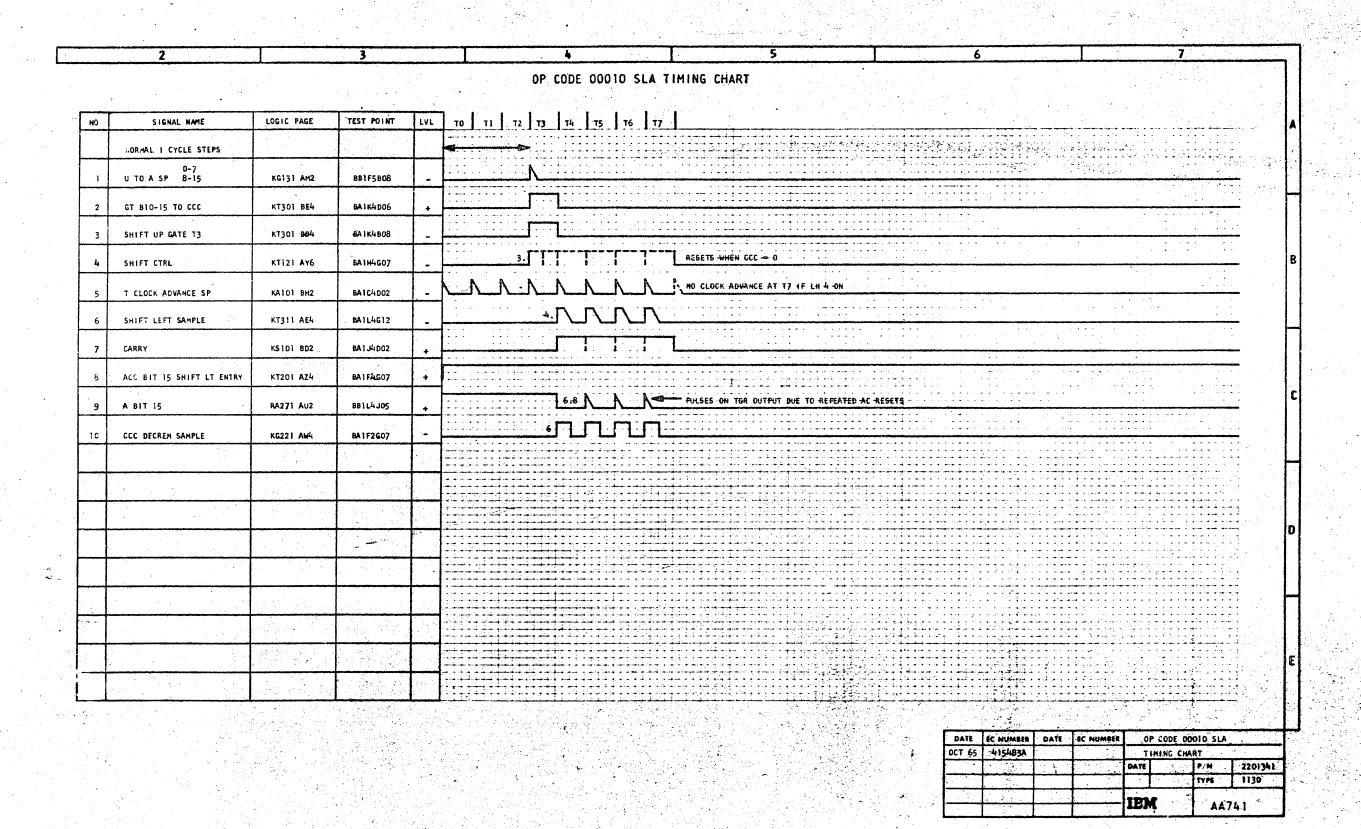


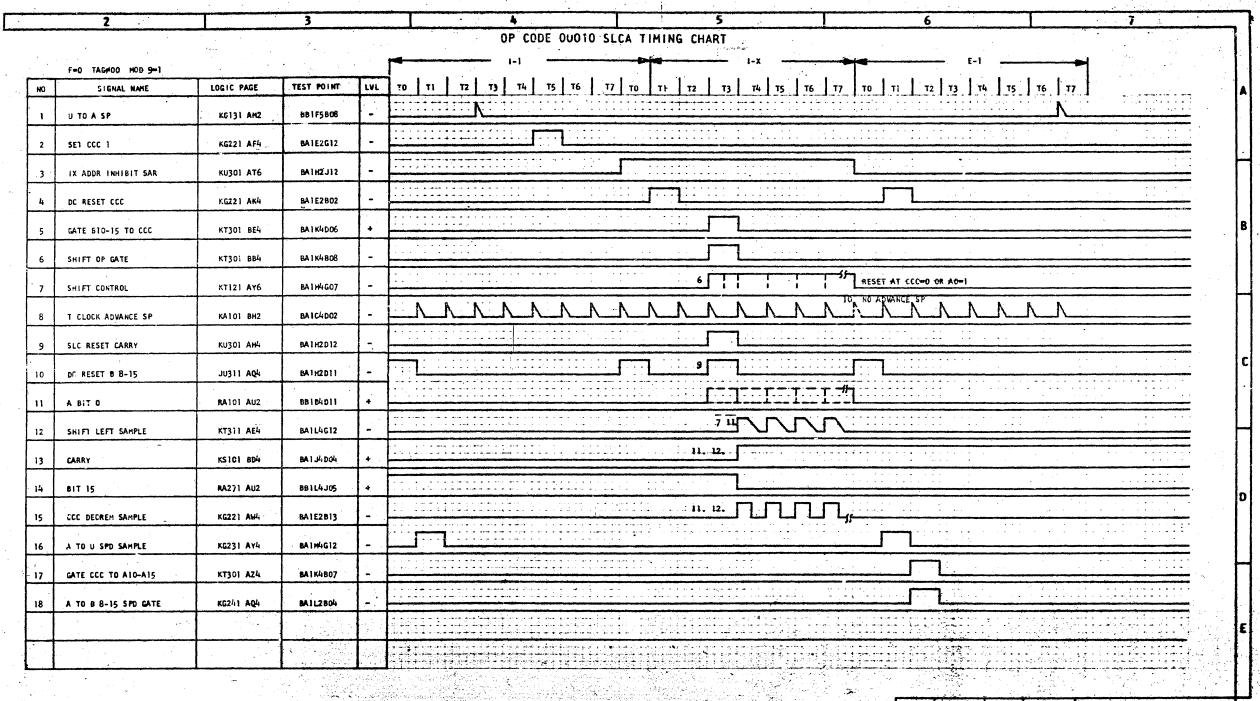
11 CYCLE THING CHART   1850 C			7				MAKE KAMPANINE		6						-		5		Les in management		uchelatanam	Acceptation of the	h	THE COMPANY	and secondaries		CONTRACTOR OF THE PERSON OF TH	3				2	
T   T   CACER AND SAMPLE										•								RT	G CHAI	TIMIN	LE	1 CYC	1										
1   T   CACCA AND MARKE					•																1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -												
2 100 TO 60 1733 AND INTEGER 1771 SOUTH ACCUSED 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					LINES	AVE ALL	DES HA	OP COL	OT ALL D	: KOT	NOTE:	·					1	10	16 17	T5	74	T3	T2	111	7 1	] ] -	LVL	TEST POINT	OGIC PAGE	LO	GHAL MAME	SIG	NO
1														_			J	J.	П	T	Ш	П	ΓL	Ш	IJ	Ш		BA1C4G03	KA101 BC4		ADV SAMPLE	T CLOCK A	1
3   1   CYCLE ((ff)   NOID ASQ   MIGLAGO   MIGLA																							• • • • • • • • • • • • • • • • • • •	CCC - C	ب	<u> </u>		BA 1 84 DO4	KT331 AR2	<u></u>	Р	END TO SF	2
10   10   10   10   10   10   10   10			-	* * *													• • • • • •	1						• • • • •	- كنبسب	-		BA 1G2 J09	KD101 AS2	-	E (FF)	I 1 CYCLE	3
5   TO N 57 8-15   X500 ALZ   RE17912   - 6   START IAN INCREMENT   X5101 ALZ   RE156803   - 7   STOWARE READ CYCLE   X510 AND   MALZERI3   4 8   STOWARE SELECT   X510 AND   MALZERI3   4 9   RESET D ACS 57   X5151 AND   MALZERI3   - 10   DC RESET D ACS 57   X5151 AND   MALZERI3   - 11   DC RESET D READ OF PICK   MALZERI3   AND   MALZERI3   - 12   A TO U SP R-15   X0131 AND   MALZERI3   - 13   DC RESET D READ OF PICK   X5101 AND   MALZERI3   - 14   CANTE SERIES OF TO B R-15   X5201 AND   MALZERI3   - 15   DC RESET D READ OF PICK   X5101 AND   MALZERI3   - 16   DC RESET D READ OF PICK   X5101 AND   MALZERI3   - 17   DC RESET D READ OF PICK   X5101 AND   MALZERI3   - 18   DC RESET D READ OF PICK   X5101 AND   MALZERI3   - 19   DC RESET D READ OF PICK   X5101 AND   MALZERI3   - 10   DC RESET D READ OF PICK   X5101 AND   MALZERI3   - 17   DC RESET D READ OF PICK   X5101 AND   MALZERI3   - 18   DC RESET D READ OF PICK   X5101 AND   MALZERI3   - 19   SET CCC 1   X5221 AND   MALZERI3   - 20   A TO N SPO CATE   X5221 AND   MALZERI3   - 20   A TO N SPO CATE   X5221 AND   MALZERI3   - 20   A TO N SPO CATE   X5221 AND   MALZERI3   - 20   A TO N SPO CATE   X5221 AND   MALZERI3   - 20   A TO N SPO CATE   X5221 AND   MALZERI3   - 20   DATE   X500 AND   X500 AN	entropy			Name of the last o									National Property of the Control of	-				1	<u> </u>	3. F	- 1 - 1 PARTICIONALIS					口	<u> </u>	BA 1 M2 J06	KG211 AS4		PO GATE	1 TO M SF	4
5 SIAN INC INSERTING THE PROPERTY OF THE PROPE	taliff Southerna		÷						<del> </del>			· · · · · · · · · · · · · · · · · · ·					• • • • • • • • • • • • • • • • •	<u>.</u>	. 4. F5=			MASSES AND THE PARTY OF THE PAR			<u>ښ</u>		<u> </u>	BB1F3B12	KG101 AL2	K	0-7 P 8-15	I TO M SP	5
7 STORAGE RAD CYCLE   MC   10 AND   MA   12010   +   8 STORAGE SELECT   MC   10 AQ4   MA   12010   +   9 RESET O REG SP   MC   15 AS2   MA   MA   MA   MA   MA   MA   MA   M												•			***************************************									<u> </u>	-08		1-	BB1G5B03	KG101 AT2		R INCREMENT	START IAR	6
9 RESET D REG SP KB151 AS2 MAIN2DOZ - 7,8 - 1 10 OC RESET B 80-75 KB311 AB4 MAIN2BOZ - 7,8 - 1 11 DC RESET OP REG AND OP FLOCE KB311 AB4 MAIN2BOZ - 7,8 - 1 12 A TO U SP R-15 KB313 AL4 MAIN2BOZ - 7,8 - 1 13 DC RESET A REG KT311 AT4 MAIN2BOZ - 7,8 - 1 14 CATE B B B TO D B - 15 KC231 AL4 MAIN2BOZ - 7,8 - 1 15 CATE B TO D B - 15 KC231 AL4 MAIN2BOZ - 7,8 - 1 16 DC SET D O-7 KC231 ANA MAIN2BOZ - 7,8 - 1 17 CATE I TO A B - 15 KC231 AL4 MAIN2BOZ - 7,8 - 1 18 ARITH CONTROL KT121 AZ2 MAIN2BOZ - 7,8 - 1 19 SET CCC 1 KC221 AF4 MAIN2BOZ - 7 20 A TO N SPO CATE KC221 AF4 MAIN2BOZ - 7 20 A TO N SPO CATE KC221 AF4 MAIN2BOS - 7	NAAA**********************************	Marine and the second of the s		***************************************																					J		1+	BA1J2B13	MC101 AR4		READ CYCLE	STORAGE R	7
9 RESET D ACE SP REG NO. SP REG NO. DP FACE 10 0 RESET O REG AND OP FACE 11 0 C RESET O REG AND OP FACE 12 A TO U SP 8-15 13 DC RESET A REG NTISI ALLA SBIFABOR - 13 DC RESET A REG NTISI ALLA SBIFABOR - 14 CATE N BITS 0-9 TO OP REG ND. DO P	and the parameters	Name and Printers and Advanced Printers and										1 ·			· · · · · · · · · · · · · · · · · · ·				************	* * * * * * * * * * * * * * * * * * *				L	J		1	BA1J2B10	HC101 AQ4	<u> </u>	SELECT	STORAGE S	8
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11 D. A TO U SP 8-15 KU131 ALL BEIF4488 - 13 DC ASSET A REG KT311 ATN BAN2004 - 14 GATE U BITS 0-9 TO OP REG KD101 AZL BAN2005 + 15 GATE 8 TO D 8-15 KC231 ALL BAN2002 + 16 DC SET D 0-7 KC231 AM BAN2002 + 17 GATE 1 TO A 8-15 KC231 AM BAN2002 + 18 AAITH CONTROL KT121 AZ2 BAN206 + 19 SET CCC 1 KC221 AF4 BAN206 - 19 SET CCC 1 KC221 AF4 BAN206 - 20 A TO H SPO CATE KC211 8F4 BAN2005 - 20 A TO H SPO CATE KC211 8F4 BAN2005 - 21 DATE 8 K NOMBER DATE KC211 8F4 BAN2005 - 22 DATE 8 K NOMBER DATE KC211 8F4 BAN2005 - 23 DATE 8 K NOMBER DATE KC211 8F4 BAN2005 - 24 DATE 8 K NOMBER DATE KC211 8F4 BAN2005 - 25 DATE 8 K NOMBER DATE KC211 8F4 BAN2005 - 26 DATE 8 K NOMBER DATE KC211 8F4 BAN2005 - 27 DATE 8 K NOMBER DATE KC211 8F4 BAN2005 - 28 DATE 8 K NOMBER DATE KC211 8F4 BAN2005 - 29 DATE 8 K NOMBER DATE KC211 8F4 BAN2005 - 20 DATE 8 K NOMBER DATE KC211 8F4 BAN2005	with and against	wheelers of the antique for the control			milah Manikura Lami				•	-		• • •, • • • • • • •				* * * * * * * * * * * * * * * * * * *			•	a specifical section.			ormanian control	1	<u> </u>	7.8	<u> </u> -	BA 1H2D10	KU311 AR4		B 0-7 B 8-15	DC RESET	io.
12 A 70 U S P 8-15 KU131 ALL 8818-808 -  13 OC RESET A REG KT311 ATU 8A182D04 -  14 GATE 8 B1TS 0-9 TO 0 P REG KD101 AZ4 8A182D05 +  15 GATE 8 TO D 8-15 KC231 AL4 0A184D02 +  16 OC SET D 0-7 KC231 AN4 8A184B10 -  17 GATE 1 TO A 8-15 KC231 BA4 8A184B02 +  18 ARITH CONTROL KT121 AZ2 8A184B0Z +  19 SET CCC 1 KC221 AF4 8A182G12 -  20 A TO N SPO CATE KC211 BF4 8A182G5 -  DATE & KC211 BF4 8A182G5 -  DATE & KC211 BF4 SA182G5 -  DATE & KC221 BF4 SA182G5	n-retilione/state	MATERIAL STATE OF THE PARTY STATE OF	-		multidualismem(nd	e Michael Constitution and the	· · · · · · · · · · · · · · · · · · ·						District Control		•				Americania de la Americania de la la Americania desputa Americania de la la			range	man a di a co		1	7.4	<u></u>	BA 1 H2 BO7	KU311 AS4	SS K	OP REG AND OP FLAG!	DC RESET	11
13 DC RESET A REG K7311 AT4 BAN2DO4 -  14 CATE B BITS 0-9 TO OP REG KD101 AZ4 BA162JO5 +  15 GATE B TO D 8-15 KG231 AL4 BA164BO2 +  16 DC SET D 0-7 KC231 AM4 BA164BO2 -  17 GATE 1 TO A 8-15 KG231 BA4 BA164BO2 +  18 AR ITH CONTROL KT121 AZ2 BA164JO6 +  19 SET CCC 1 KG221 AF4 BA162G2 -  20 A TO M SPD GATE KG211 BF4 BA162G5 -  DATE KG211 BF4 BA162G5 -  DATE SE NUMBER	annietzspierwo				Promise granuli na u				P1-10-0-0-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-													CONCORPORATE IN		_/_			<u> -</u>	881F4808	KU131 AL4	· K	0-7 P 8-15	A TO U SP	12
14 GATE 9 81TS 0-9 TO 0P REG KD101 AZ4 PA162J06 + 3:  15 GATE 9 TO D 8-15 KG231 AL4 BA164B02 +  16 DC SET D 0-7 KG231 AH4 BA164B10 - 3-15-8 81T-8 ]  17 GATE 1 TO A 8-15 KG231 BA4 BA164B0Z +  18 ARITH CONTROL KT121 AZ2 BA164J06 +  19 SET CCC 1 KG221 AF4 BA12G12 -  20 A TO H SPO GATE KG211 BF4 BA162G5 -  DATE RC NUMBER PM	DANGE SCHOOL STATE OF THE SCHOOL SCHO			***************************************							•								Marchines (mar)		***********	Control Control Control	1				1-	EA 1H2D04	CT311 AT4	к	A REG	DC RESET	13
15 CATE 8 TO D 8-15 KC231 ANA DAIMADOZ +  16 OC SET D 0-7 KC231 ANA DAIMABDO -  17 CATE 1 TO A 8-15 KC231 BAA DAIMABDOZ +  18 ARITH CONTROL KT121 AZZ BAHAJO6 +  19 SET CCC 1 KC221 AF4 BA1E2G12 -  20 A TO H SPO GATE KC211 BF4 BA1E2G05 -  DATE EC NUMBER DATE EC NUMBER DATE EC NUMBER 11 CYCLE THING CHARDOX DATE P/M										-					-			TOTAL 12 TO		Marian and a second	**************************************	030mm		-3			1.	EA1G2J05	KD101 AZ4	K	TS 0-9 TO OP REG	GATE & BI	14
16 DC SET D 0-7  17 GATE   TO A 8-15  18 ARITH CONTROL  19 SET CCC 1  10 A TO H SPD GATE  11 KG221 AF4  12 BA1H2G05  13 BA1H2G05  14 BA1H2G05  15 CCT 65 415493A  16 DATE   EC NUMBER	n-with the court		-	-				-					PANEL - 4-1-5-1-4								-		J		- : - :		1.	BA 1 M4 D 0 2	(C231 AL4	×	) D 8-15	GATE B TO	15
17 GATE   TO A 8-15   KG231 BA4   BA1H4B02   +	-				-	•				· · ·													J	8 718 8	. 15.	- 3	<u> </u>	BAIMIBIO	(G231 AM4	K	0-7	DC SET D	16
18 AR ITH CONTROL KT121 A22 BA1H4J06 +  19 SET CCC 1 KG221 AF4 BA1E2G12 -  20 A TO H SPO GATE KG211 BF4 BA1H2G05 -  DATE EC NUMBER DATE EC NUMBER 11 CYCLE TIMING CH OCT 65 415483A OATE P/N			. <u></u>		<u>,</u>								•				<u>.</u>					$\equiv$ 1					<u> </u>	8A 1 M4 B 02	(G231 BA4	K	0-7 A 8-15	GATE 1 TO	17
19   SET CCC 1   KG221 AF4   PA1E2G12   -	21.1 11.1															* * * * * * * * * * ** * * * * * * * *	درویش رفاده فرخد د و د د ورخده و محمد			1	T						1.	BATH4J06	CT121 AZ2	K	ITROL	ARITH CON	18
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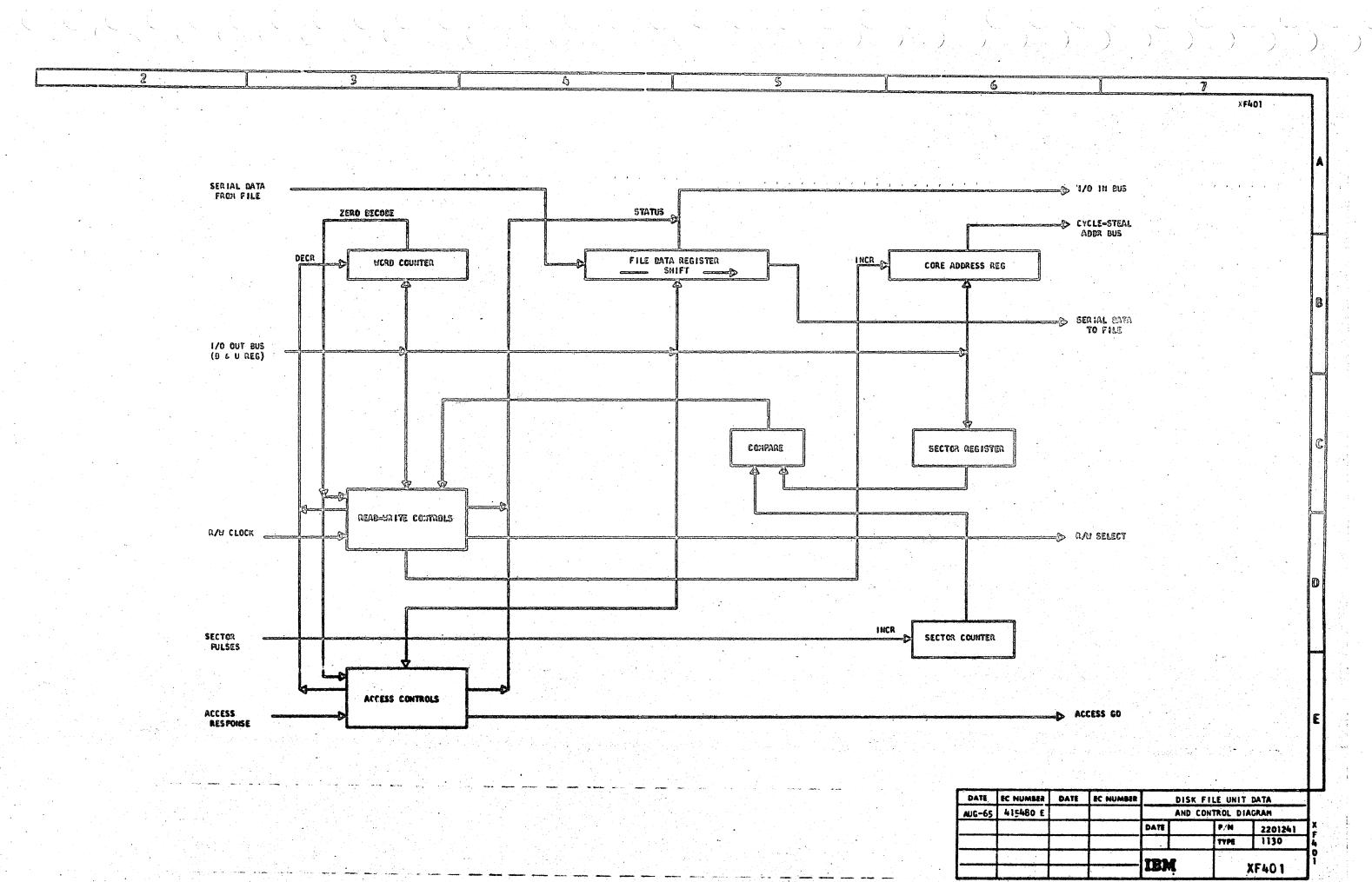


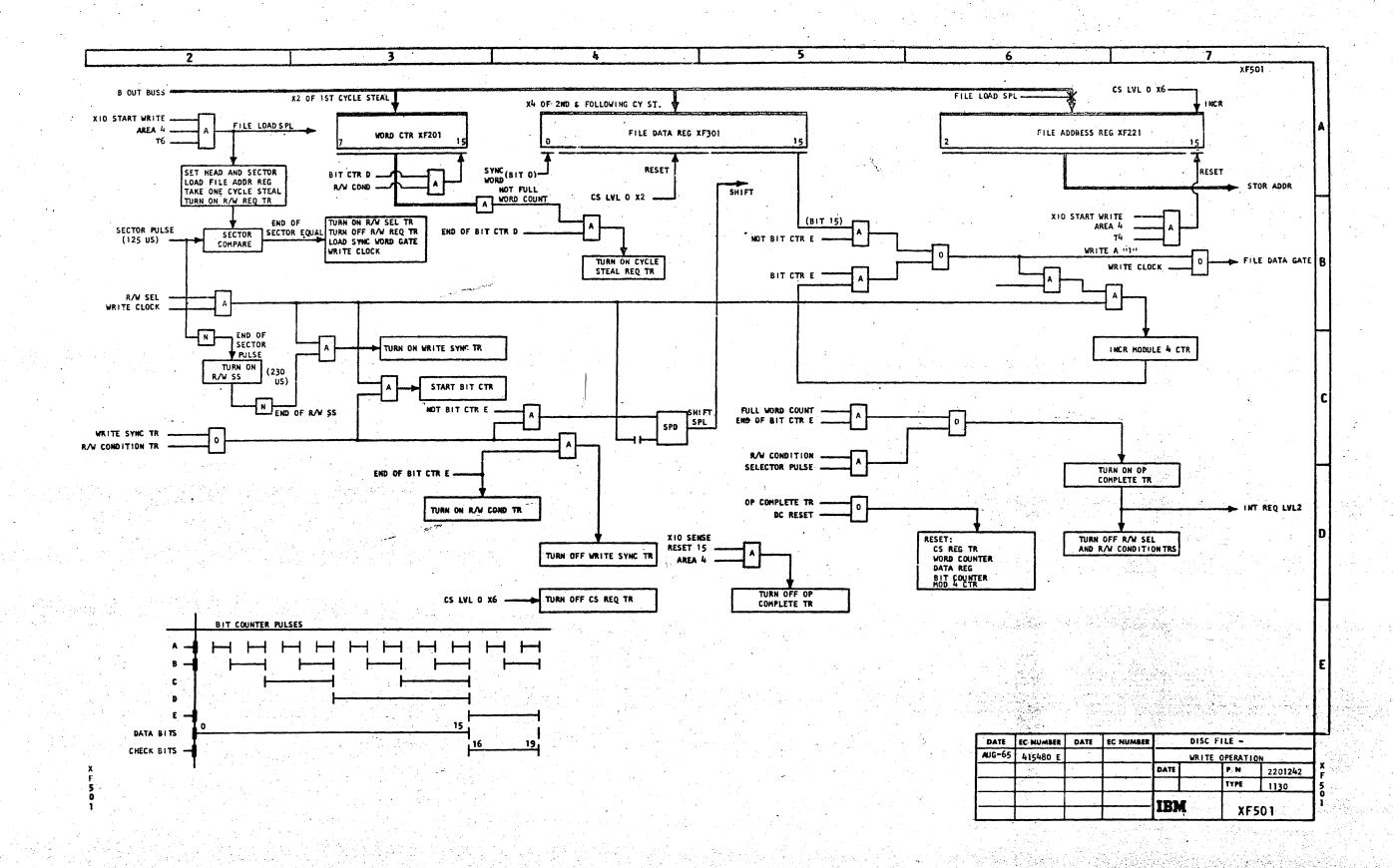


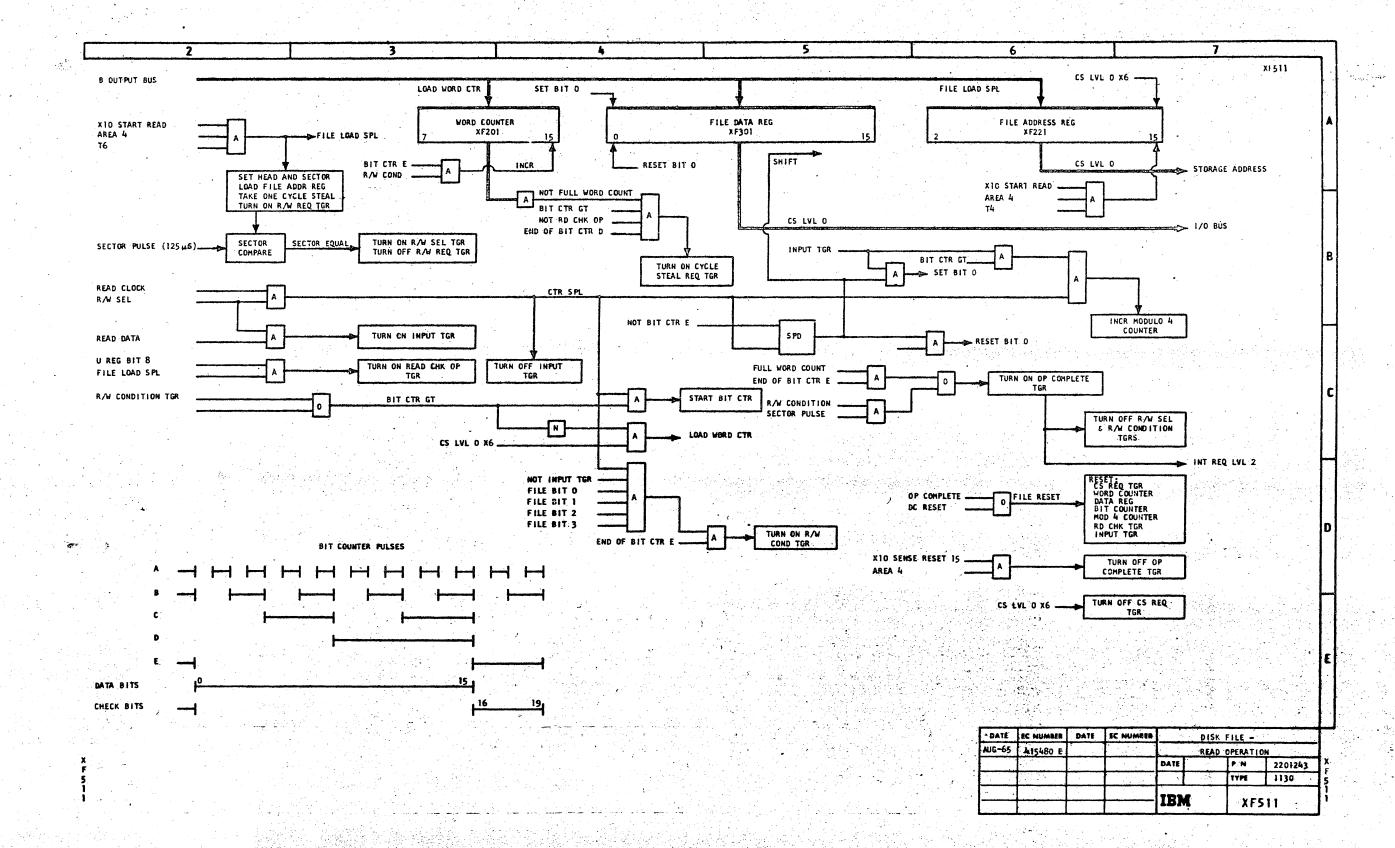


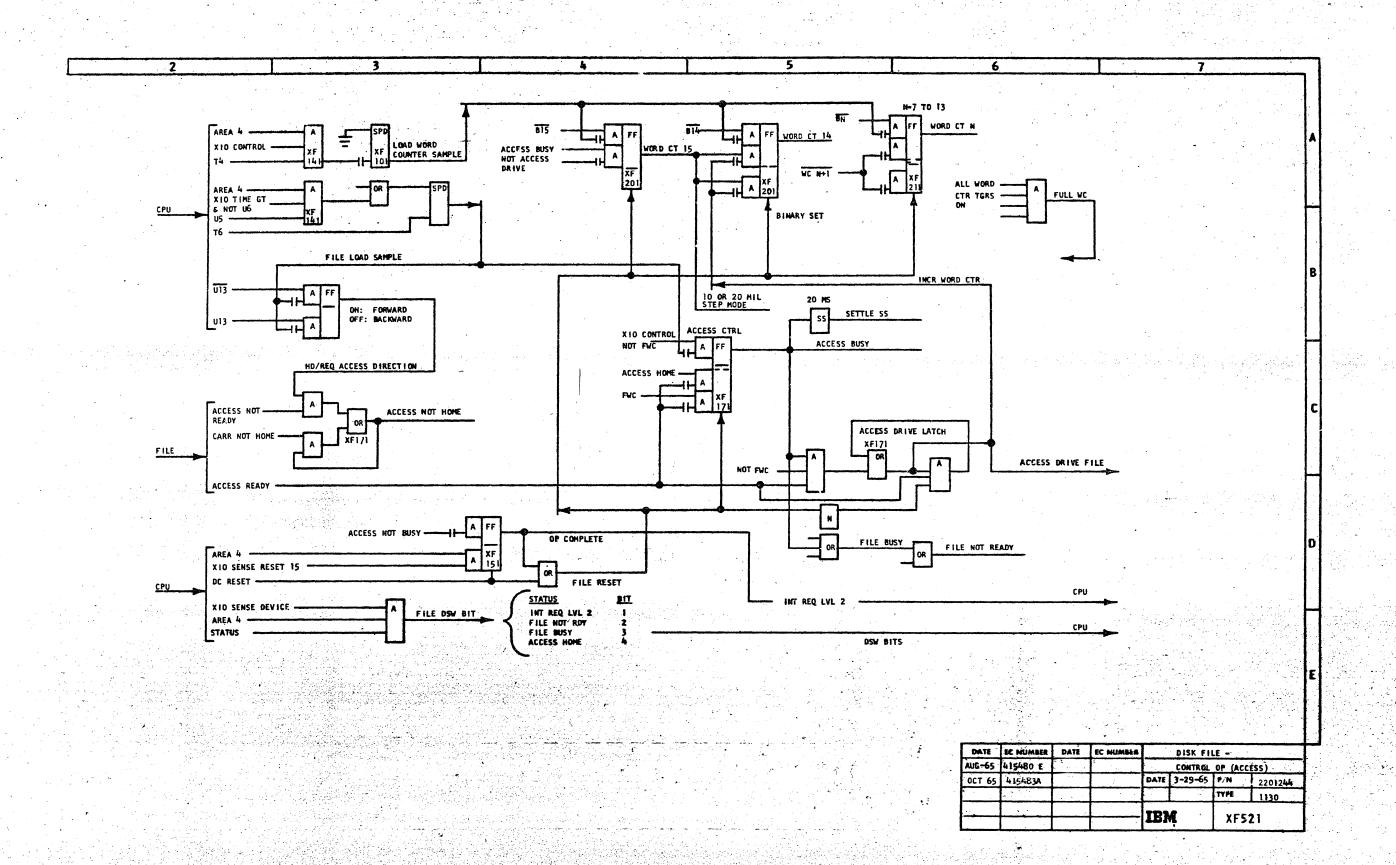


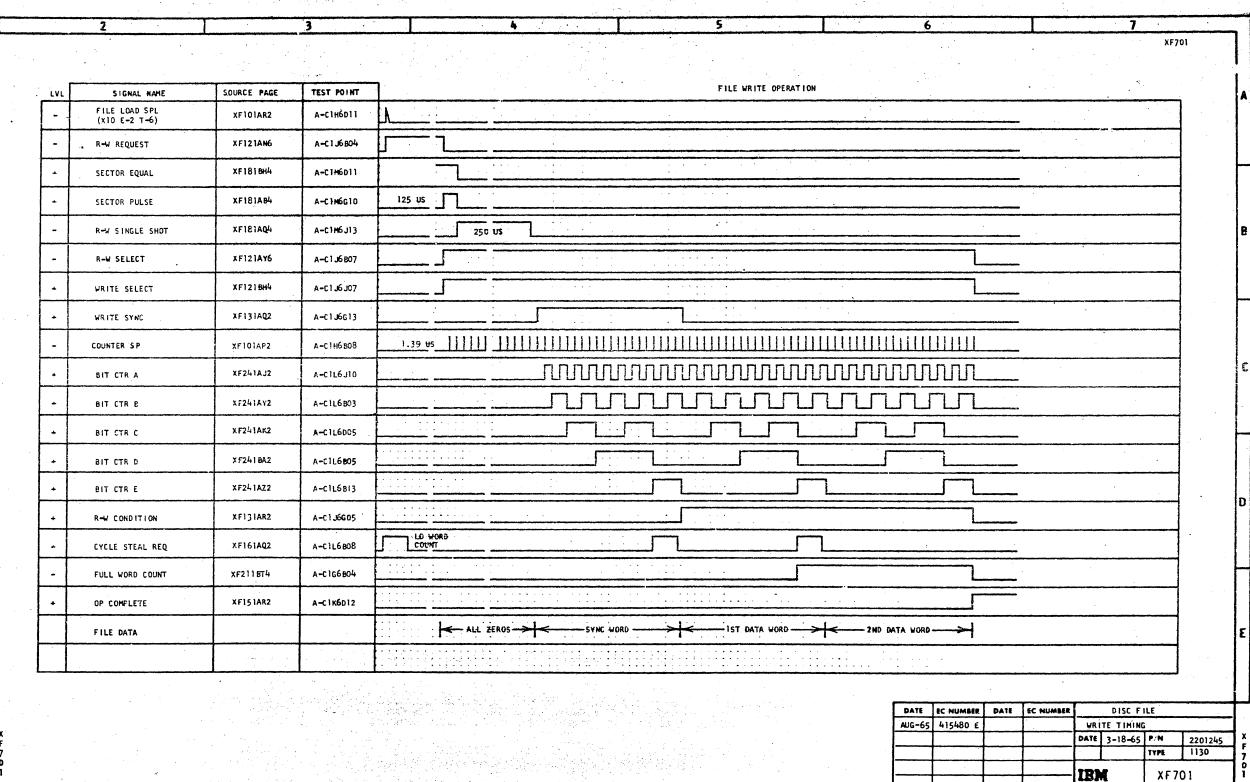


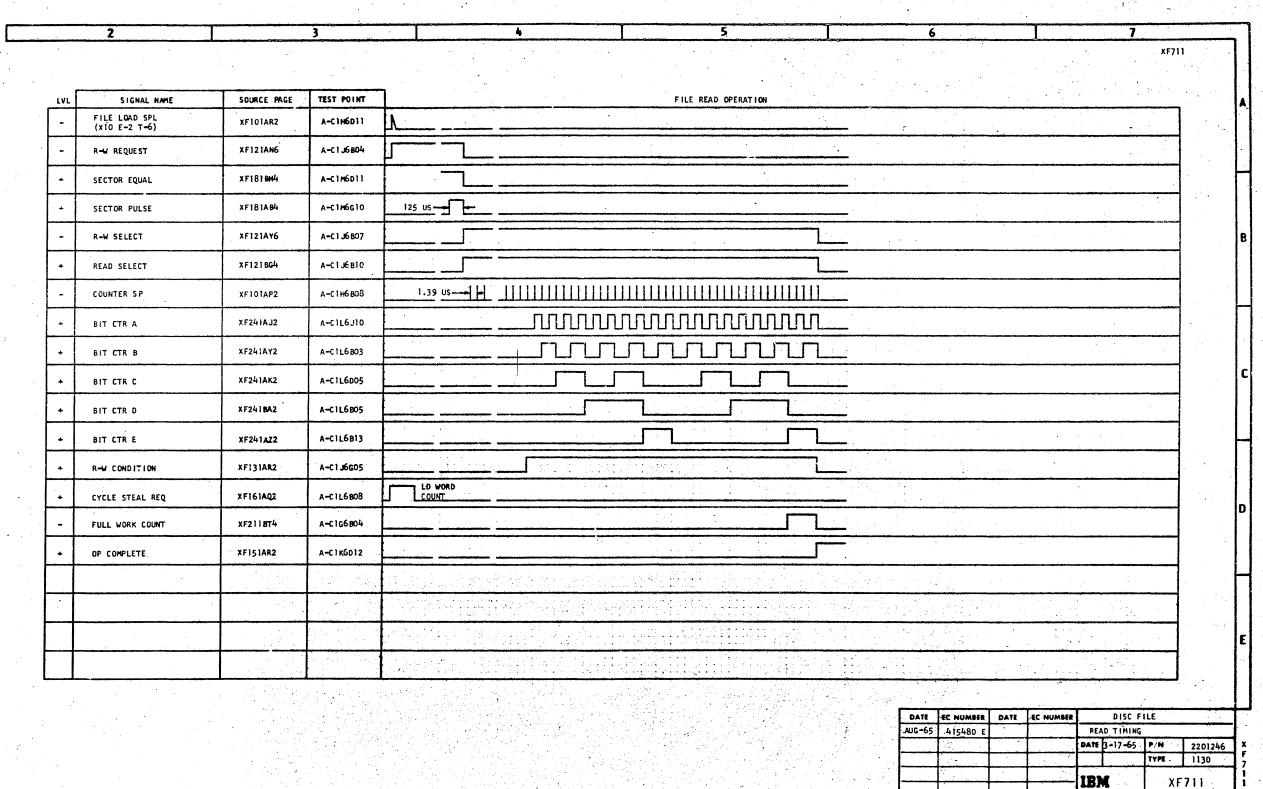






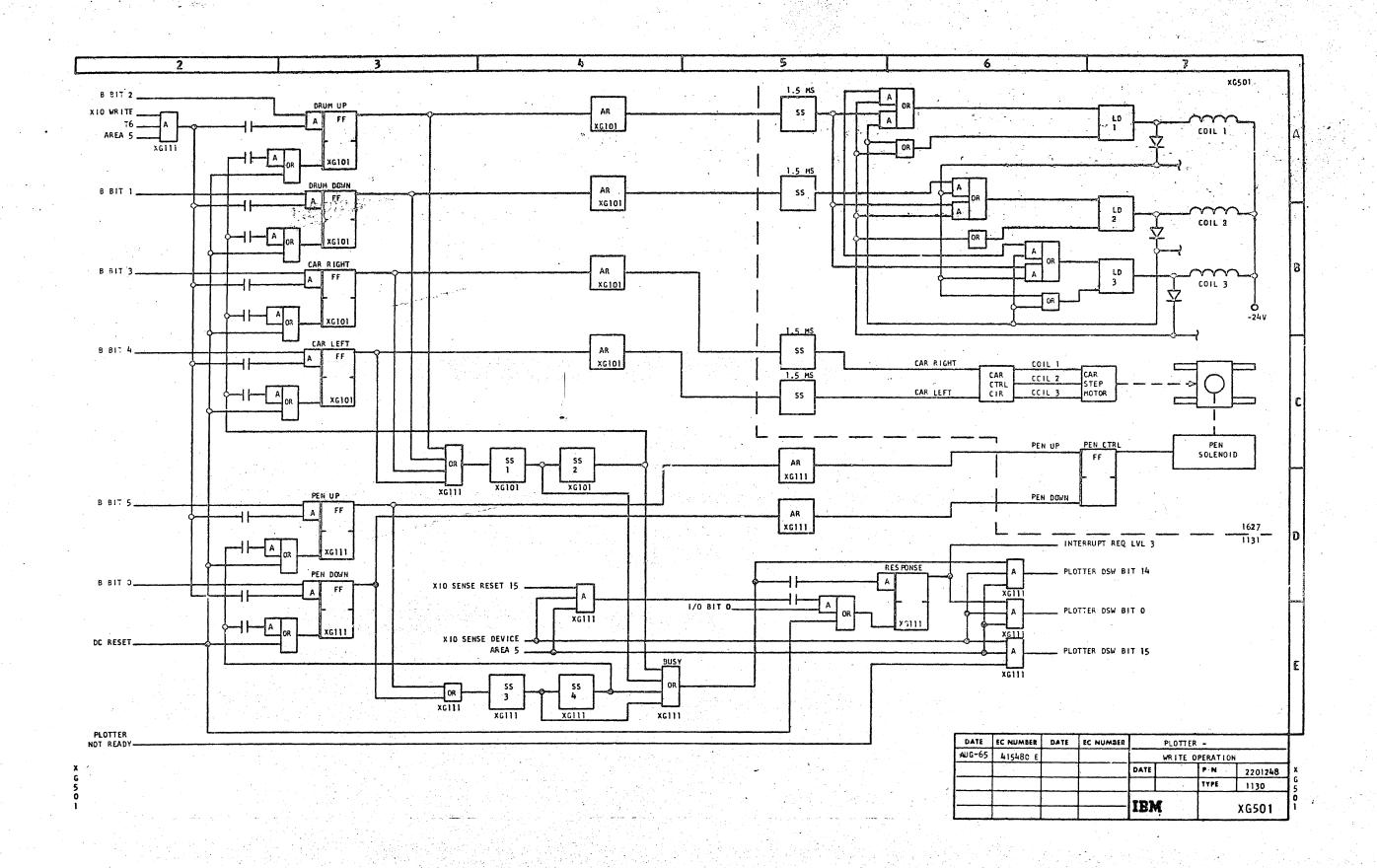






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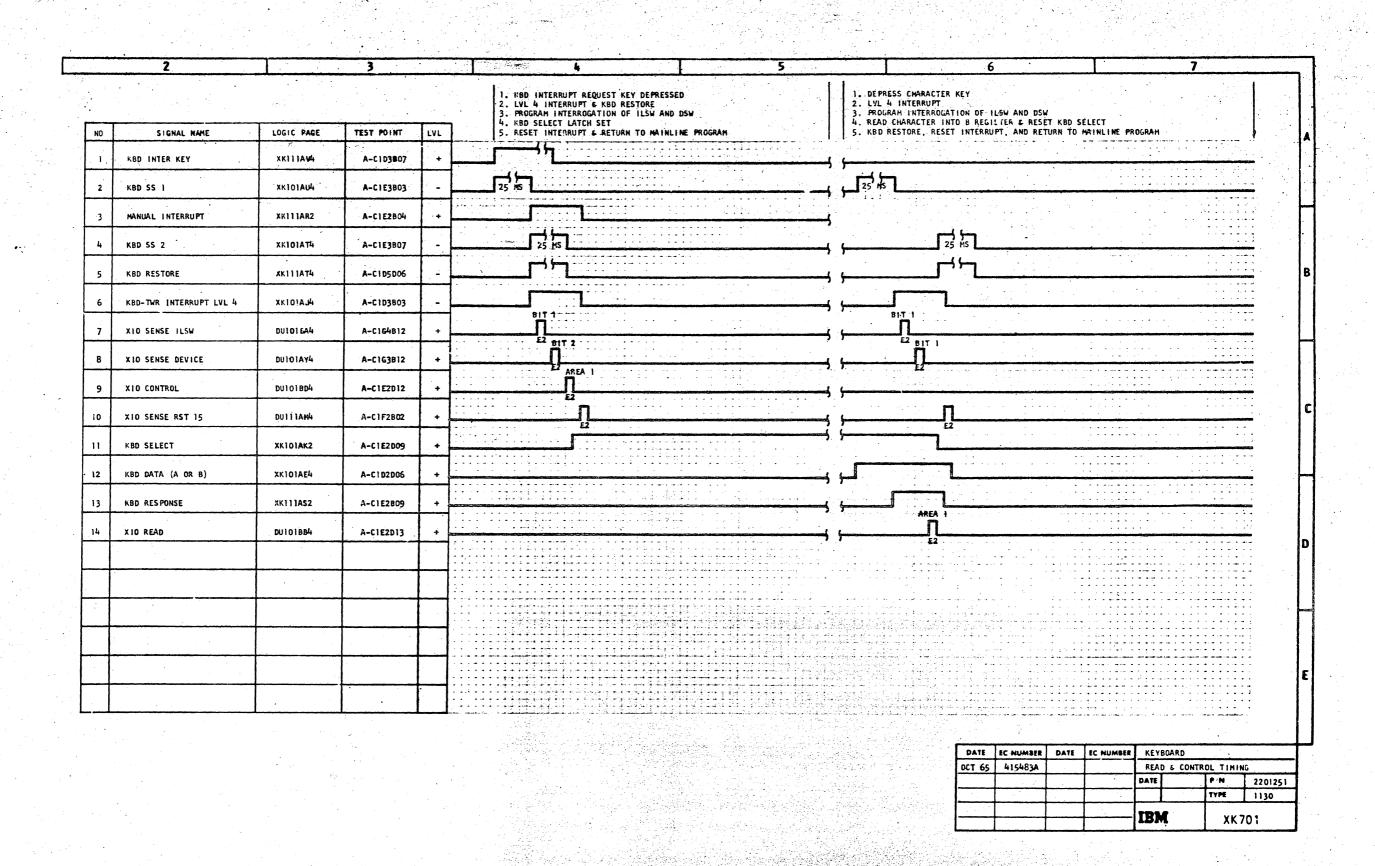
A-C166010 TEST POINT A-C1M6J06 A-C 1K6012 SOURCE PAGE XF101AR2 XF101AS2 XF2118T4 XF151AQ4 XF201AG2 XF171AN4 XF211AN2 XF171AQ4 XF201AG2 XF201AS2 XF151AR2 XF17 xF17 - FILE LOAD SPL (X10 E - 2 T - 6) - LOAD WORD CTR SP (X10 E - 2 T - 4) + ACCESS CONTROL TGR + ACCESS READY PUR SIGNAL NAME - FULL WORD COUNT - INCR WORD COUNT + WORD COUNTER 15 + WORD COUNTER 14 + WORD COUNTER 13 - STEPPING MODE + ACCESS DRIVE + OP COMPLETE - SETTLE S-S . 5 2 -1 9 ω 2 g 0 = 15

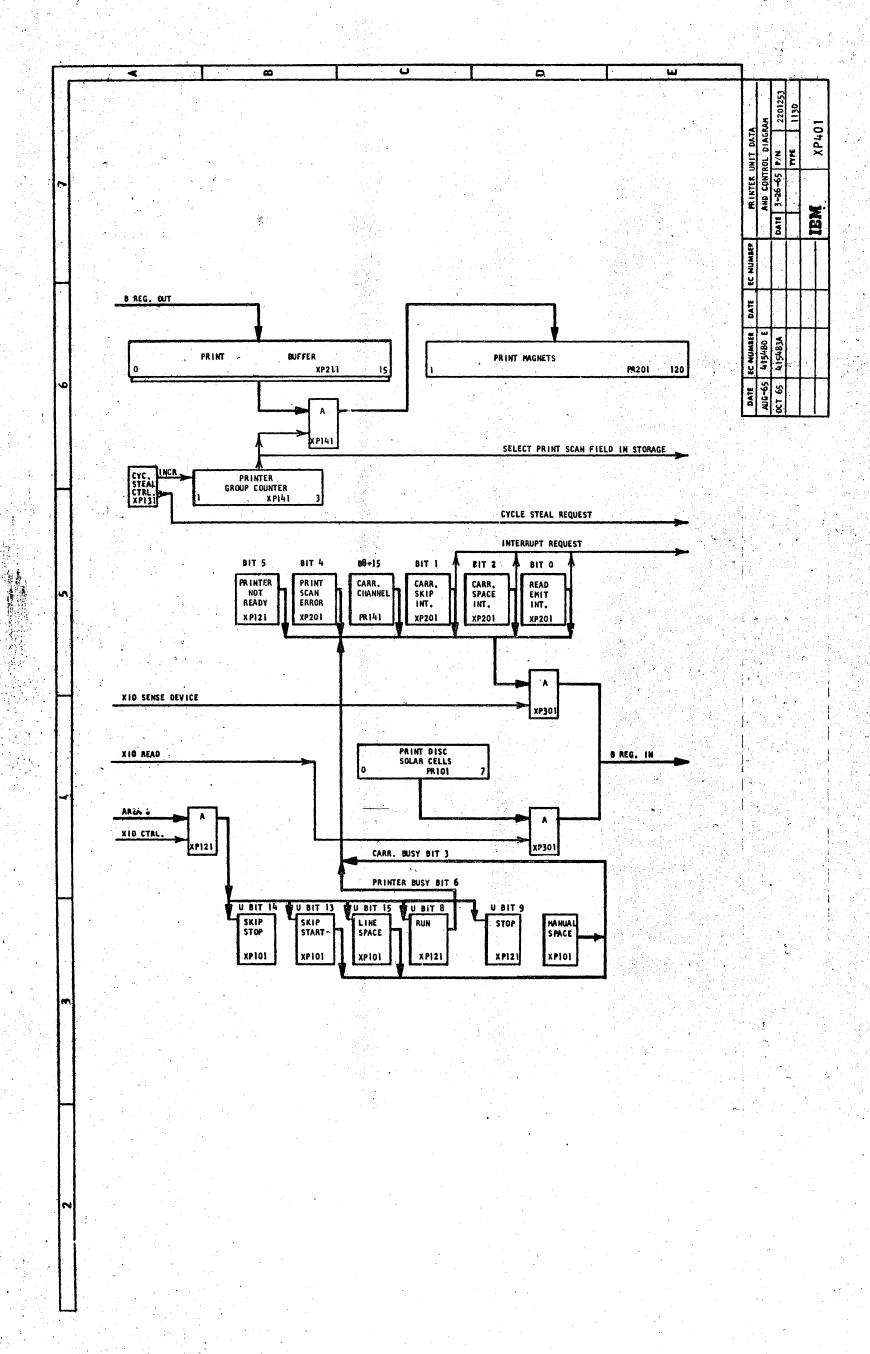


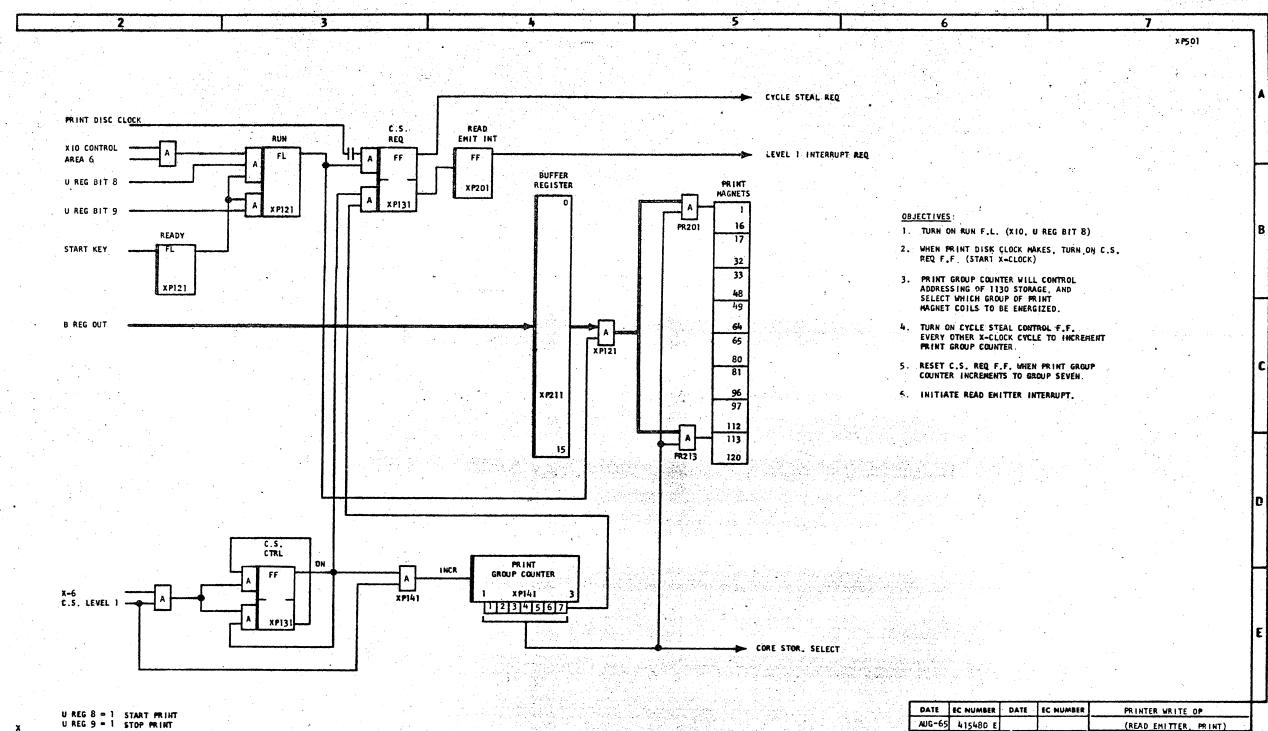
IBM ENA A-C1M4J07 A-C1M4J09 A-C1M4G04 A-C1M4G10 A-C1#4608 A-C1M4312 TEST POINT A-C1M4009 A-C1M4011 A-C)## SOURCE PAGE DU 101 BE4 XG1018C4 XG111AZ4 XG1018P4 XG10118A4 v; XG1118C4 DU101AY4 DUI 1 1 AMA 2.8 x6101 x6111 1.9 MS FOR 2.9 MS FOR 50 MS NOTE: DRUM OR CARRIAGE : + XI O SENSE RESET 15 + X10 SENSE DEVICE - CONTROL TRIGGERS - PLOTTER RES PONSE + xi O WRITE - SS-1 OR - SS-3 - SS-2 OR - SS-4 + BUSY

×0/0-

5 XI 501 KBD SELECTED KBD Select XIO CONTROL KBD SELECTED LAMP AREA 1 XIO READ \$\$ DC RESET 3 KBD DATA A KBD DATA B KED INTERRUPT KEY MANUAL INTERRUPT KBD RESPONSE GATE TWR RESPONSE KBD TWR INT LEVEL 4 HELL TANDE OF THE MANUAL INTERRUPT B BIT 2 XKIII AREA 1 XIO SENSE RESET 15 K BD RES PONSE KBD RESPONSE B BIT 1 XXIII KBD RESTORE KEY KBD RESTORE DATE EC NUMBER DATE EC NUMBER KEYBOARD READ & AUG-65 415480 E CONTROL OPS DATE 6-28-65 P N 2201250 TYPE 1130 IBM XKEN1

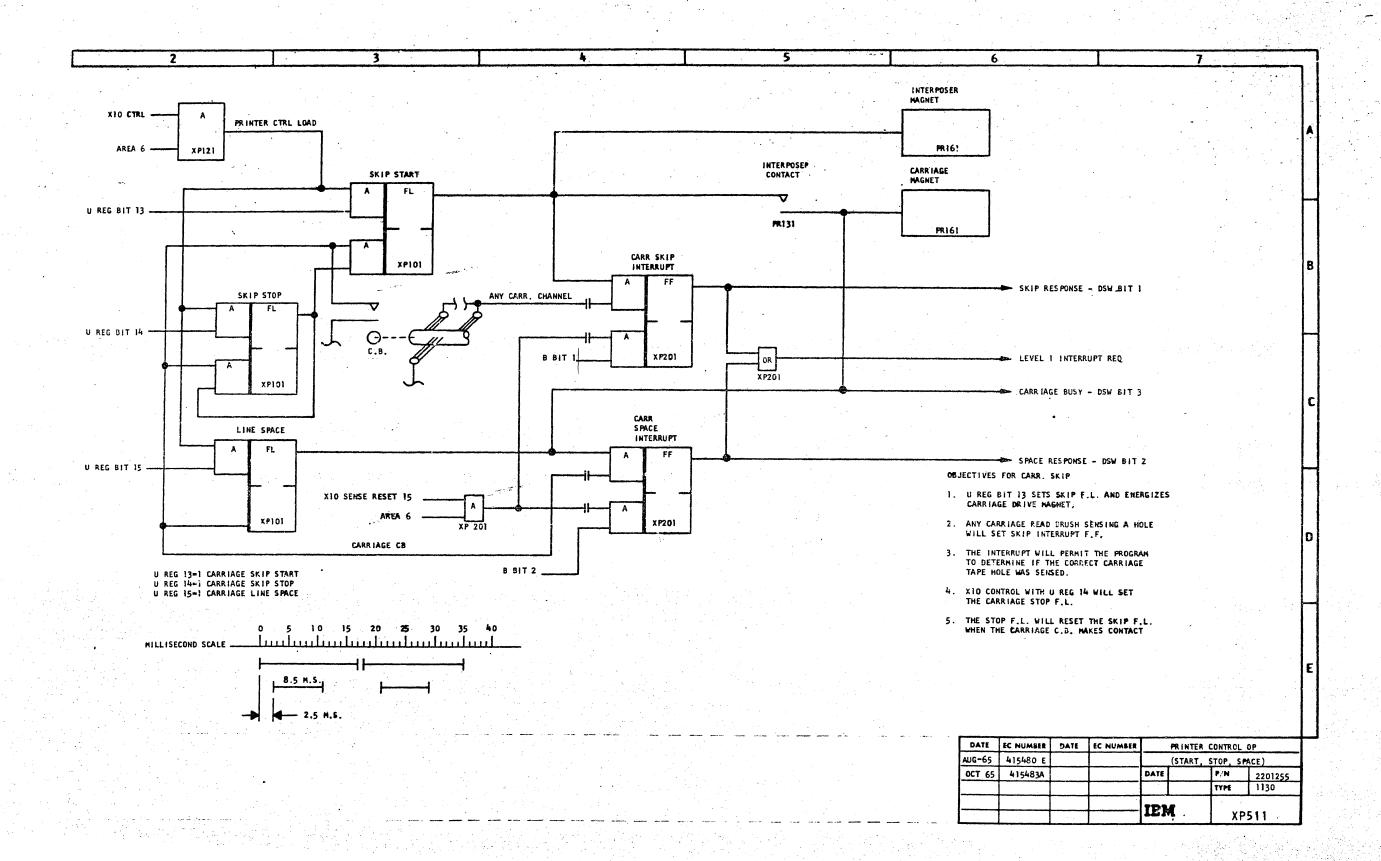






P/N

2201254 TYPE 1130 XP501



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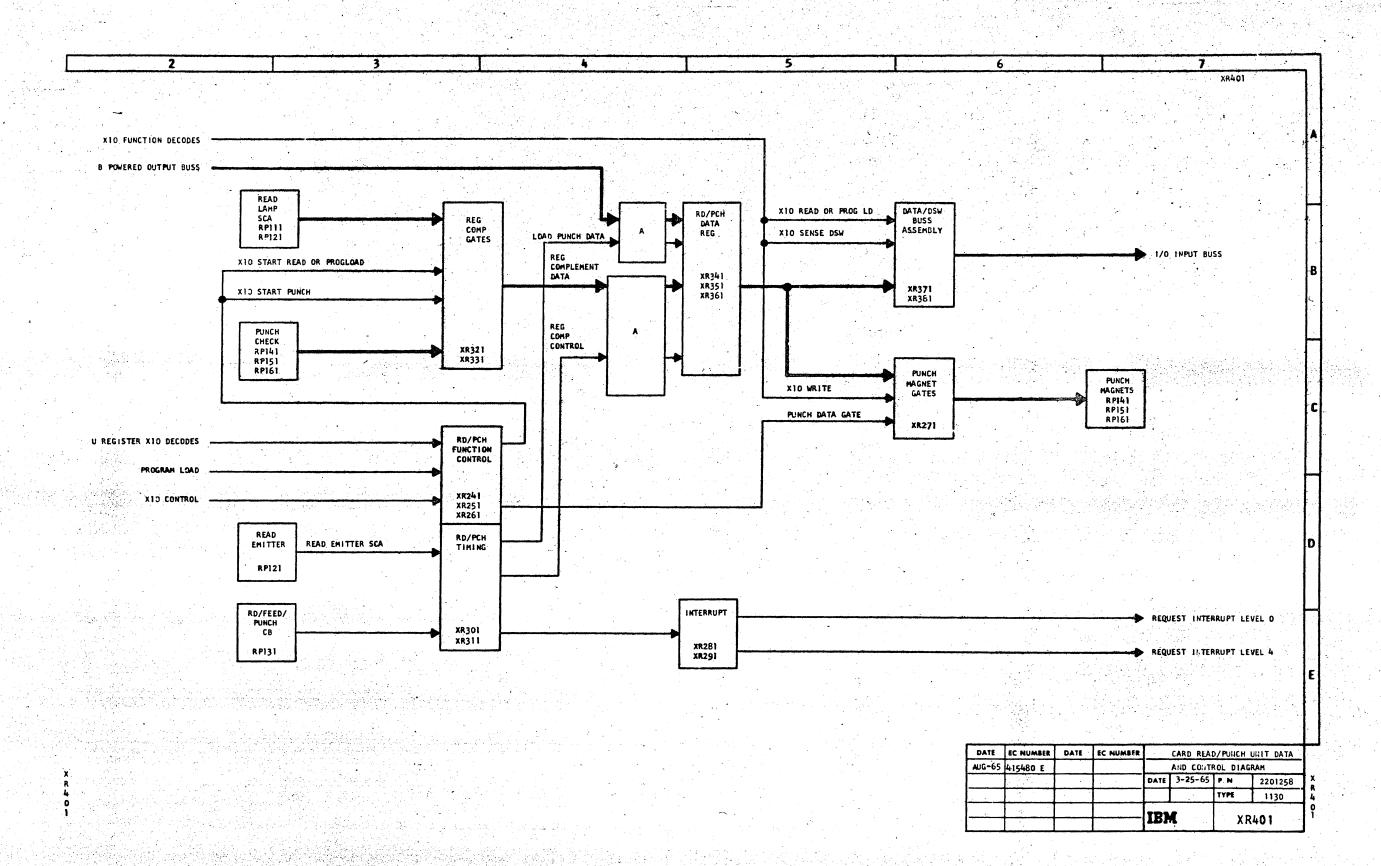
X P701 SIGNAL NAME SOURCE PAGE TEST POINT - RUN LATCH XP121AP4 A-A1H2B03 XP331AH3 A-A1J3D12 + PRINT DISC CLOCK XP131AC2 A-A1J3D11 + PRINT DISC CLOCK SS A-A1A4 + PRINT DISC CODE XP331 X P13 1AN2 A-A1H2B04 + PRINTER CS REQ A-A1J2D09 + READ EMIT INT X P2 01 AU2 16 x0 x1 x2 x3 x4 x5 x7 x0 x1 x2 x3 x4 x5 x6 x1 x0 x1 x2 x3 x4 x5 x6 x1 x0 x1 x2 x3 x3 x4 x5 x6 x1 x0 + PRINTER CS REQ + CS REQUEST X P131AN2 A-A1H2B04 + READ EMIT INT XP201AU2 A-A1J2D09 - CS LEVEL 1 KM211AS4 A-A1H2B07 - PRINTER CS CONTROL XP131AP6 A-A1H2D06 - RESET PRINT BUFFER XP131AZ4 A-A1G2B07 - LOAD PRINT BUFFER XP131AU4 A-A1K2B09 + PRINT SELECT GROUP 0 XP141BD4 A-A102812 X P14 1 BE4 A-A102B13 + PRINT SELECT GROUP 1 XP1418L4 + PRINT SELECT GROUP 7 A-A102B09 DATE EC NUMBER DATE EC NUMBER PRINTER WRITE TIMING AUG-65 415480 E P/N 2201256 TYPE 1130 IBM XP701

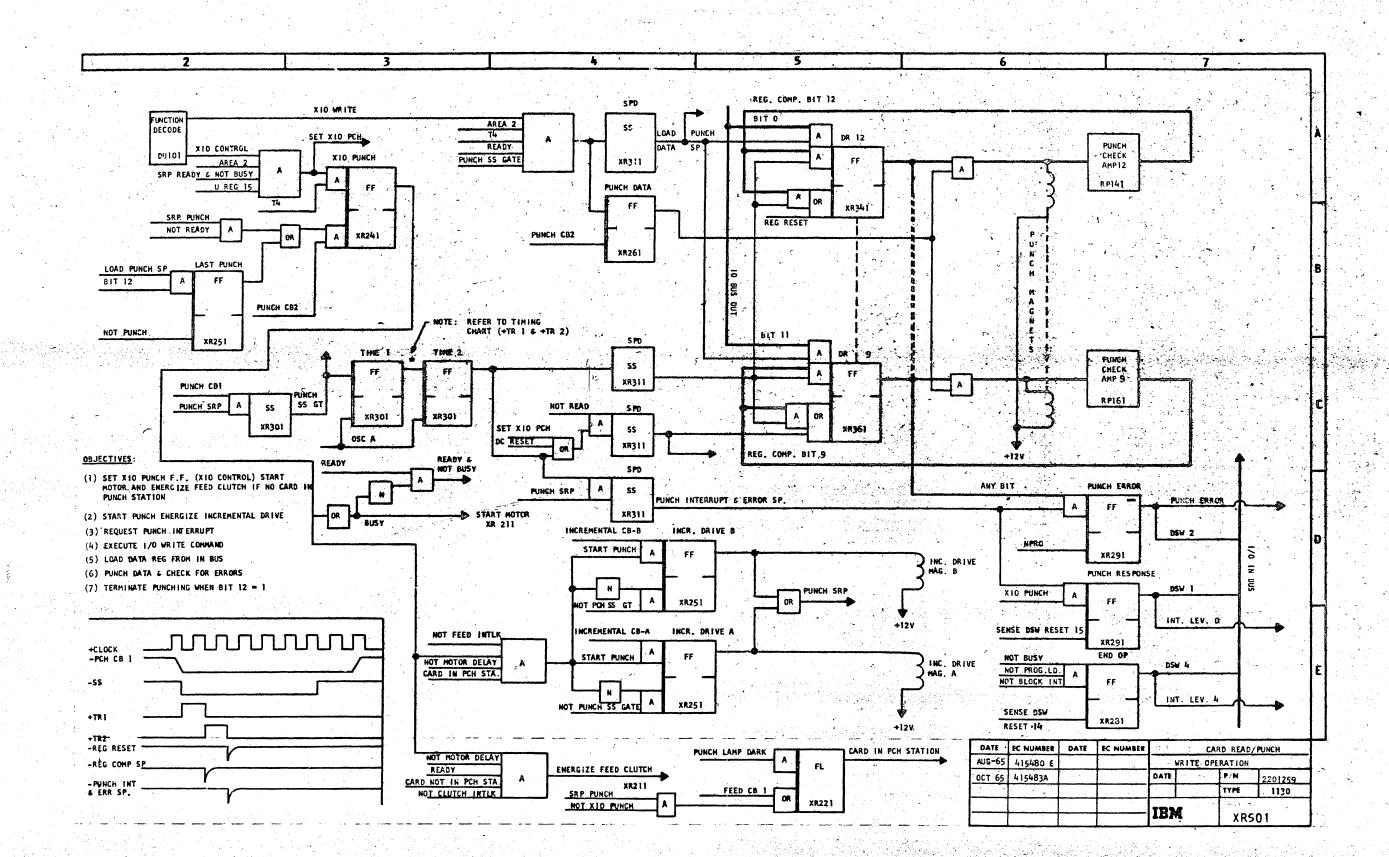
X P 7

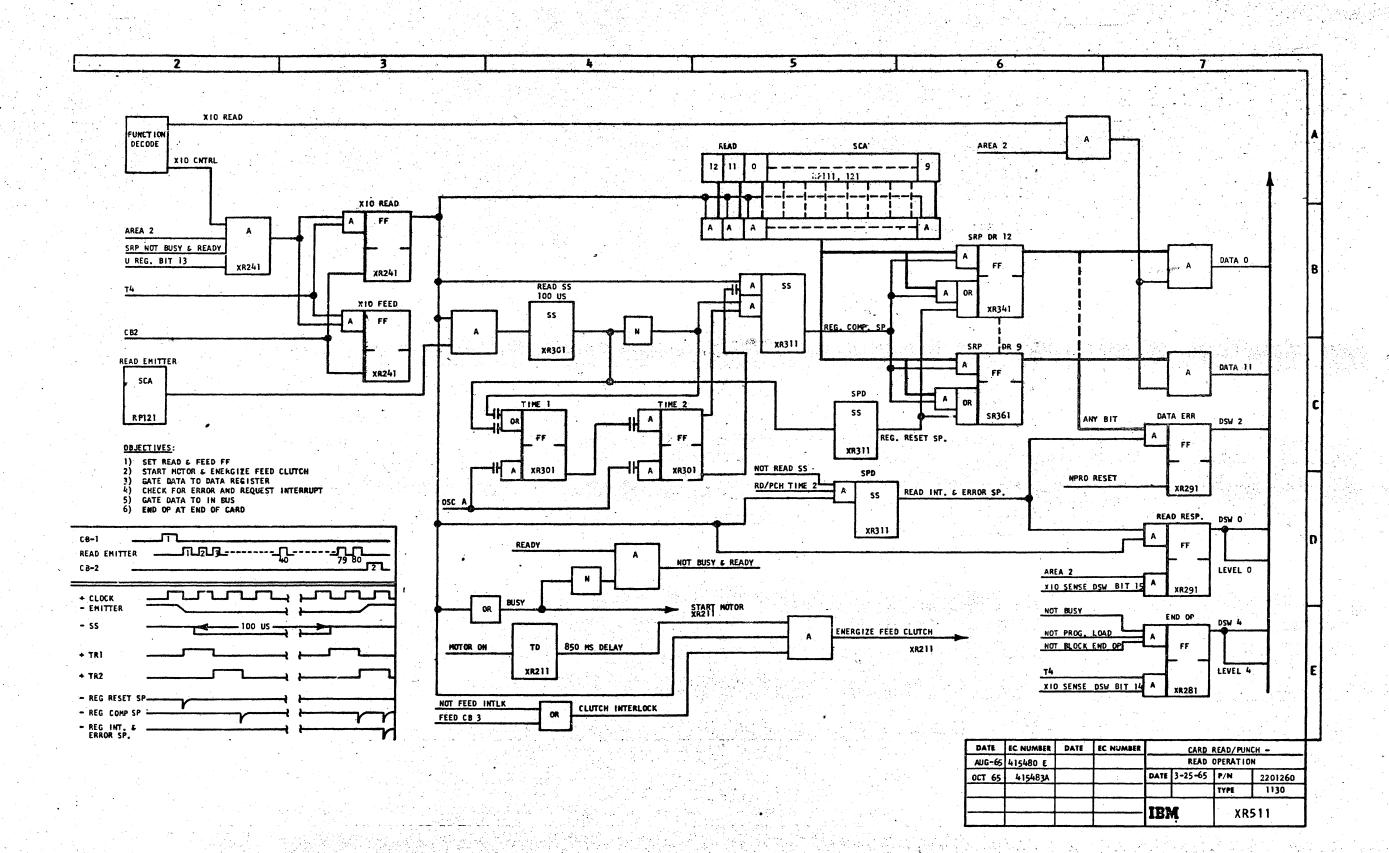
X P711 SOURCE PAGE TEST POINT SIGNAL NAME A-A1G2D10 + X10 CONTROL DU1018D4 DU111 DU101AY4 A-A1L3B13 + X10 SENSE DEVICE A-A1G2D09 - PRINTER CONTROL MODE XP121AD4 - X10 SENSE RESET BIT 15 X P2 01 BH4 A-A1M2B02 AREA 6 + CARRIAGE CB PULSE XPIOICM4 A-A1G3D04 - ANY CARRIAGE CHANNEL XP111AS4 A-A1F3B02 XP101AY4 A-A103010 - LINE SPACE LATCH X P1 0 1 B04 A-A1F3D12 - CARRIAGE MAG SELECT + CARRIAGE SPACE INT X P2 01 AW2 A-A1J2B04 + SKIP START LATCH XPIO1AU4 A-A1D3B03 - SKIP STOP LATCH XP101AR4 A-A103004 - INTERPOSER MAG SELECT XP101AZ4 A-A1G3D11 + INTERPOSER CONTACT XP33 IAMI A-A1E3D09 - CARRIAGE MAG SELECT X P1 O 1 B D 4 A-A1F3012 + CARRIAGE SKIP INT X P2 01 A V 2 A-A1J2809

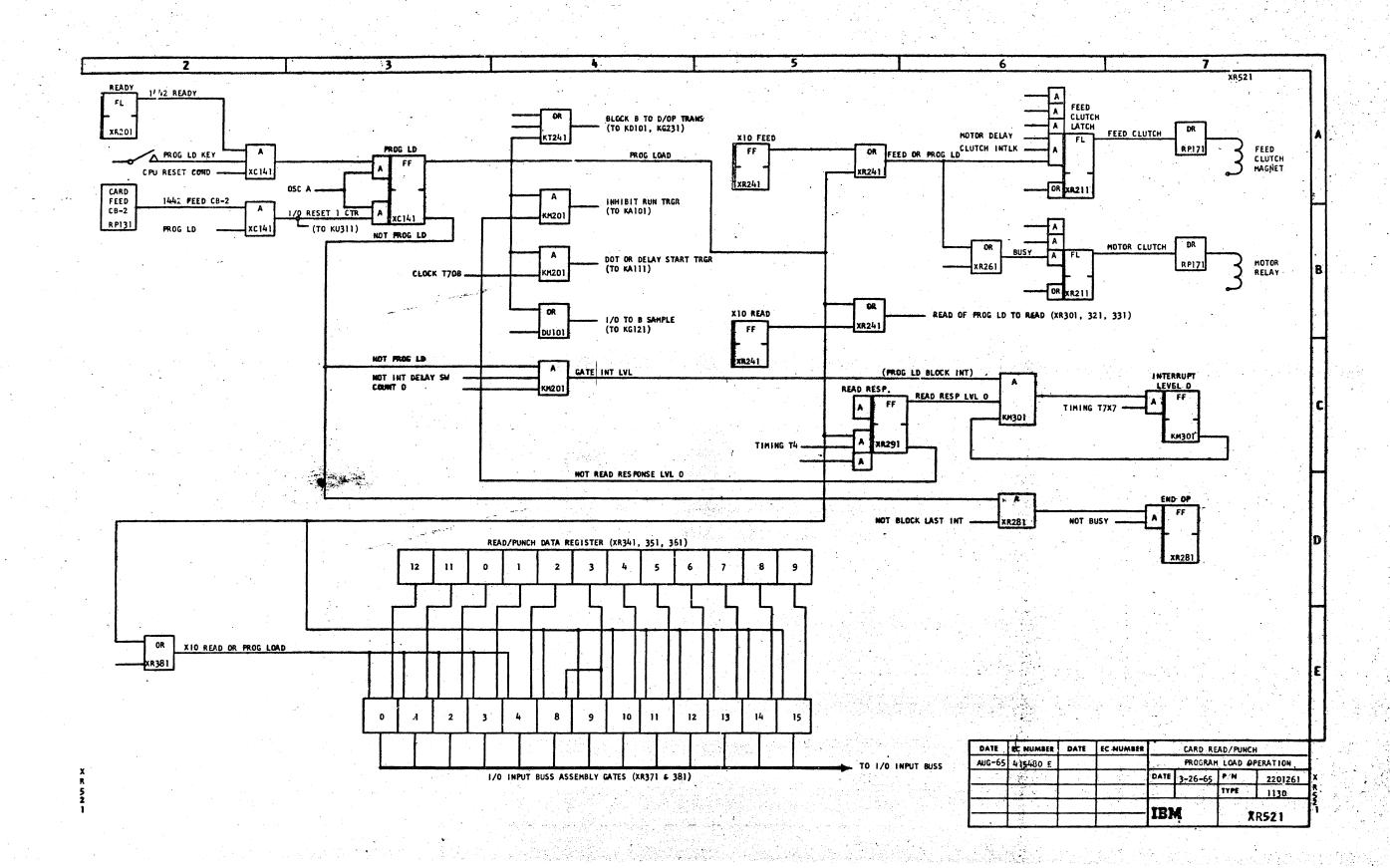
	DATE	EC NUMBER	DATE	EC NUMBER	PRINTER CONTROL TIMING					
	AUG-65	415480 E			STA	ART, STOP	, SPACE			
					DATE		P/N	2201257		
							TYPE	1130		
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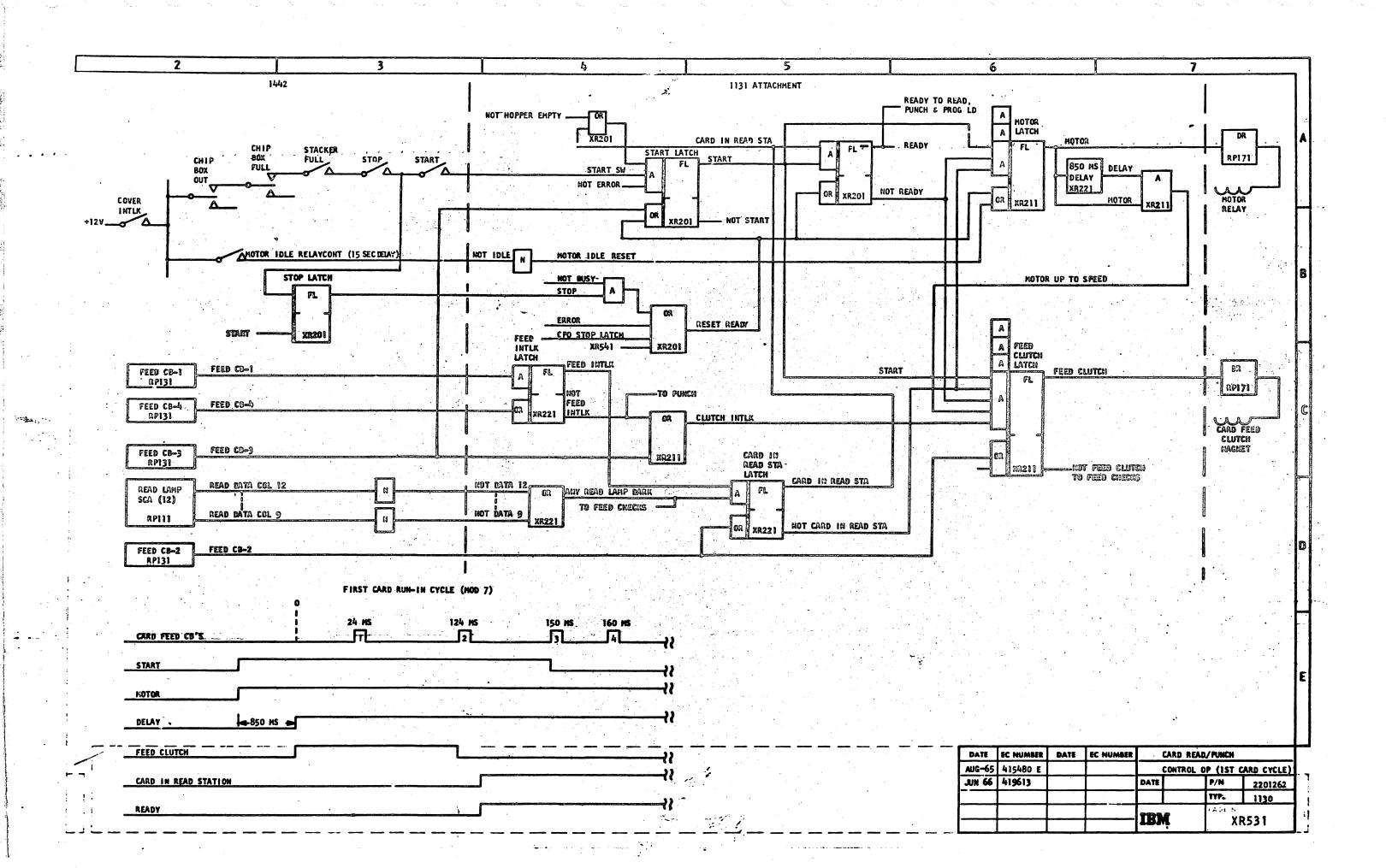
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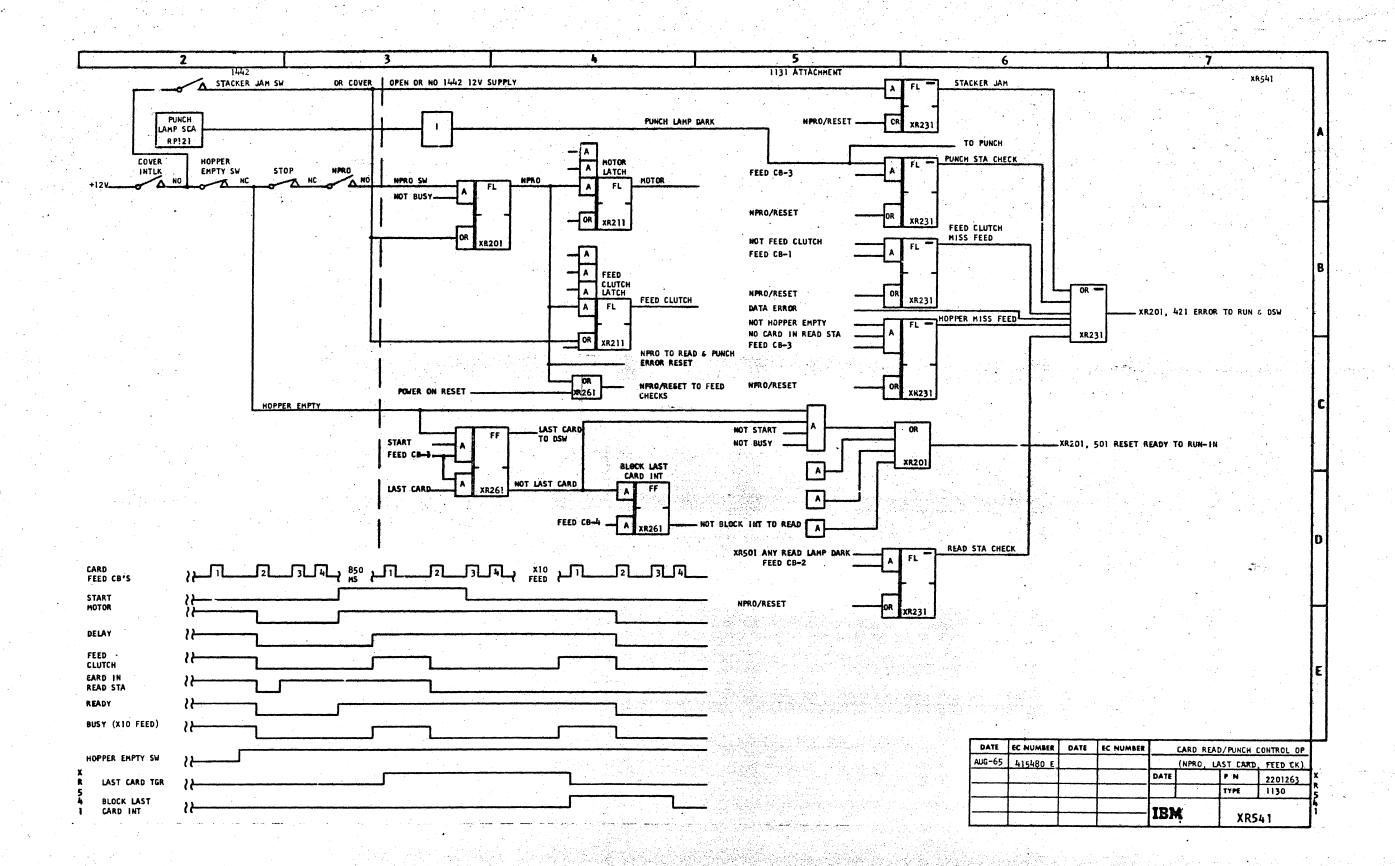


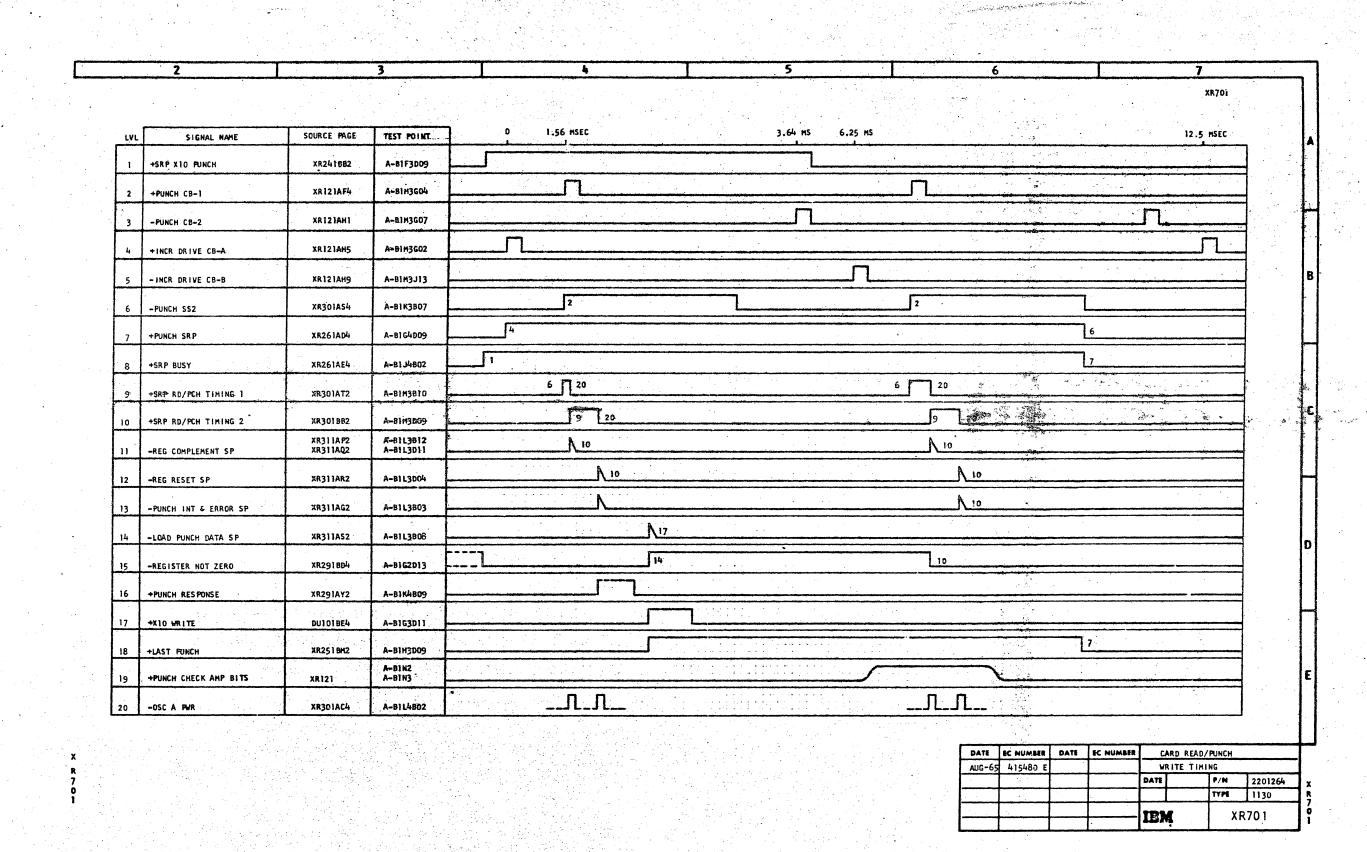








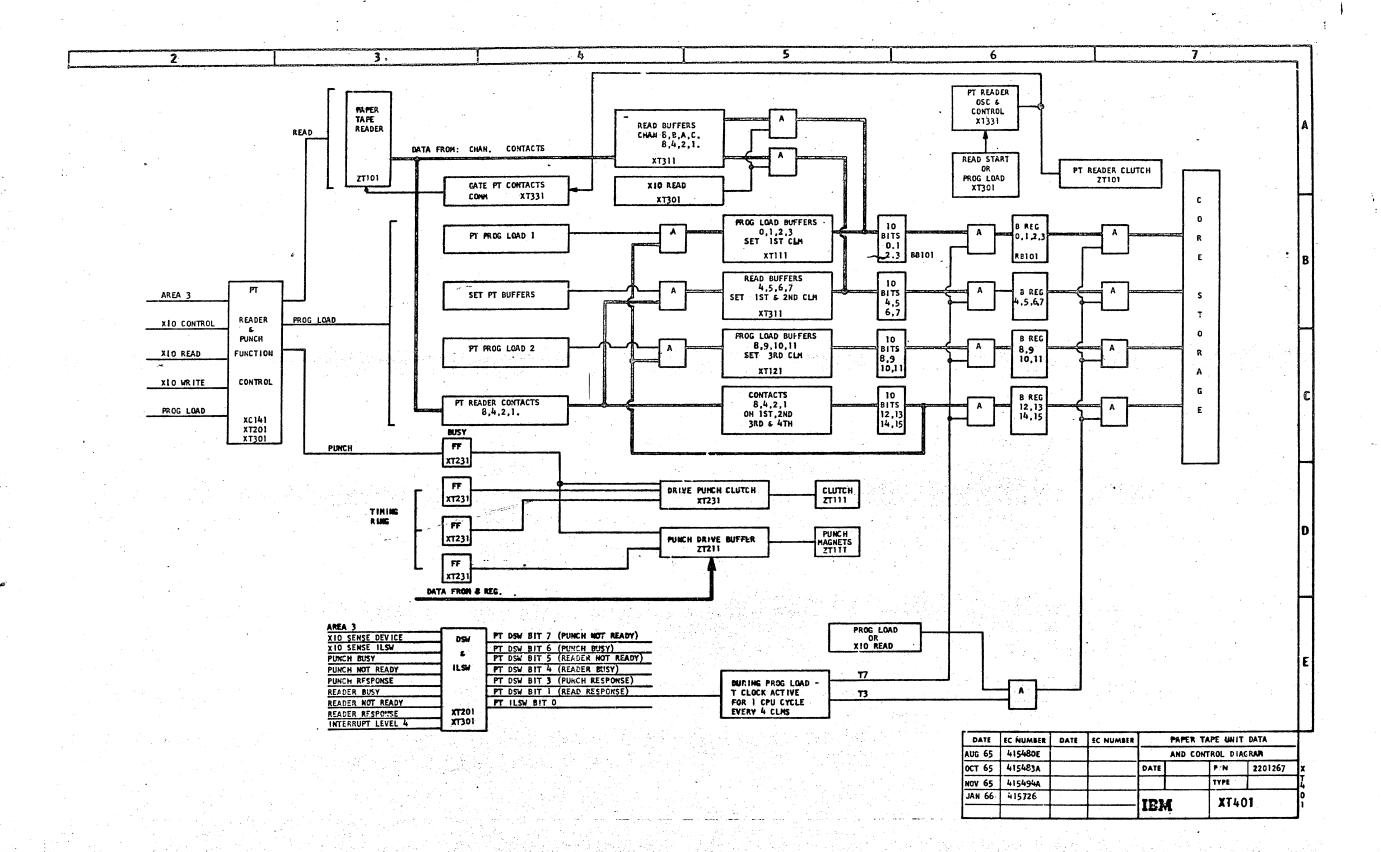


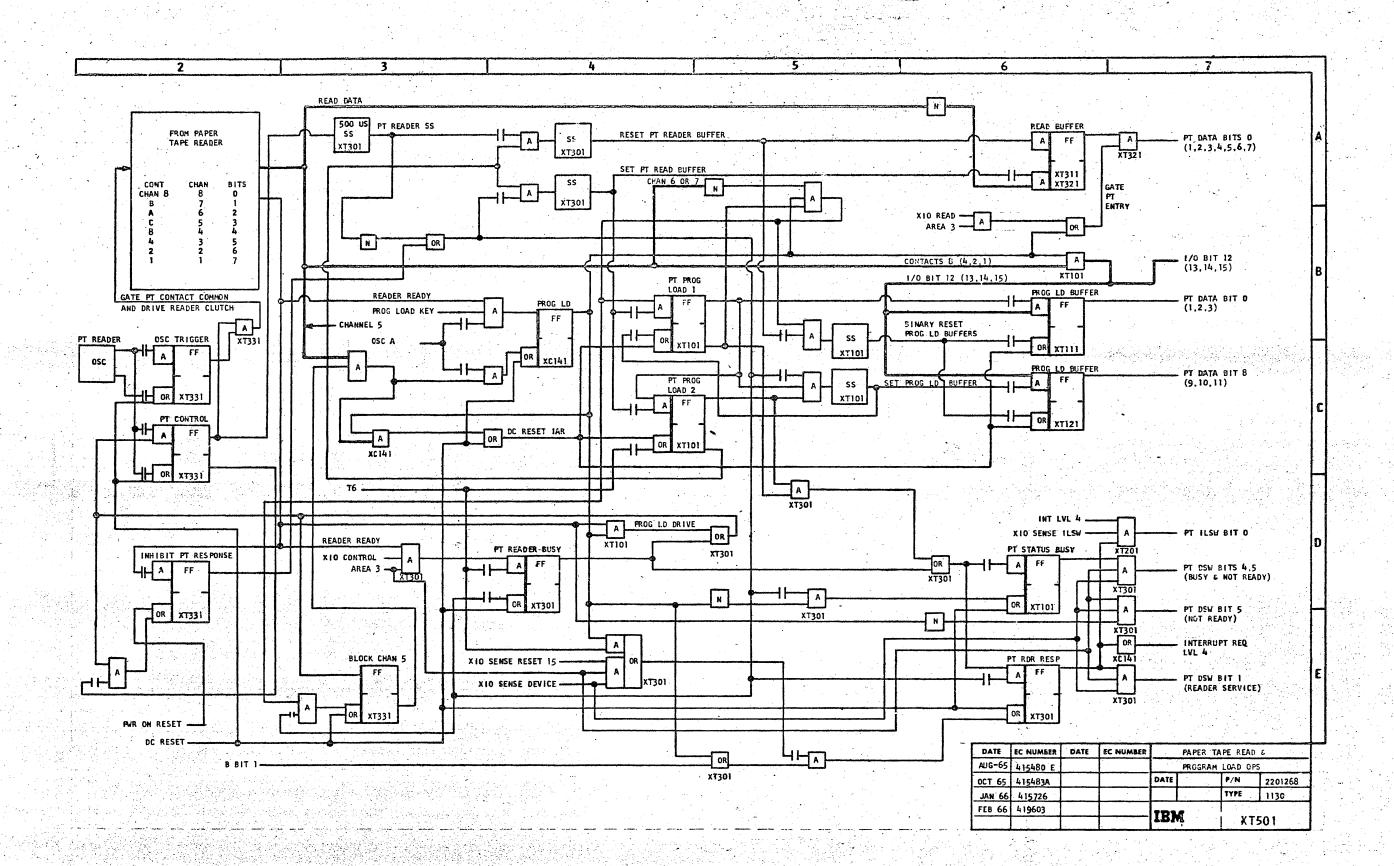


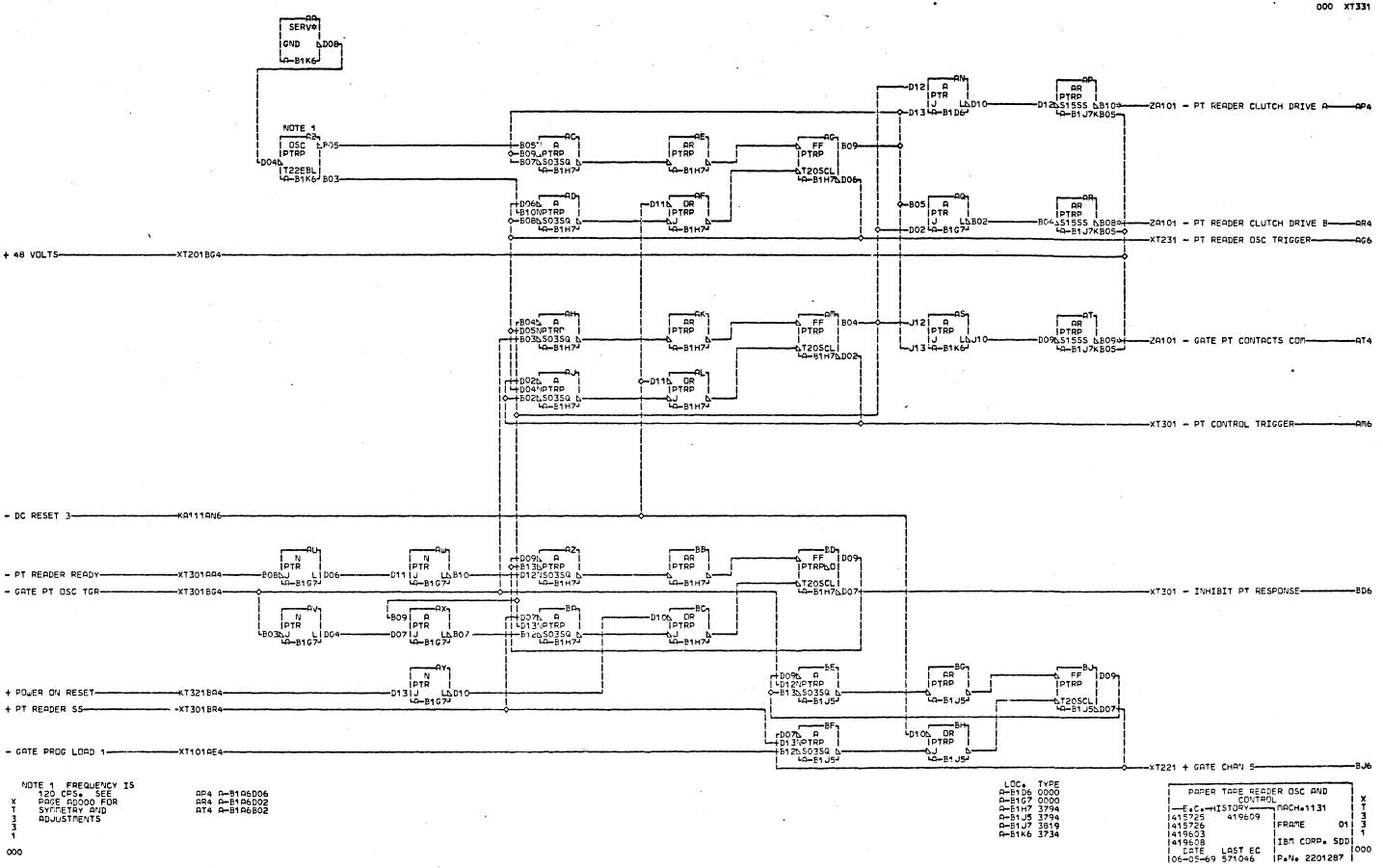
2 GOOD DATA COLUMN ERROR COLUMN - 1 MILLISECOND-SOURCE PAGE TEST POINT -1 MILLISECOND-LVL SIGNAL NAME + READ EMITTER XR121AD7 A-B1N3B06 XR301AR4 A-B1K3B03 - SRP READ SS 2 + SRP RD/PCH TIMING 1 XR301AT2 A-B1M3810 + SRP RD/PCH TIMING 2 XR301BB2 A-BIM3D09 -. OSC PHASE A XR301AC4 A-B1M3B13 XR311AQ2 XR311AP2 A-BIL3DII - REG COMP SP A-B1L3B12 XR311AR2 A-B1L3D04 - REG RESET SP - RÉAD INT AND ERROR SP XR311AM2 A-B1L3D07 1..... XR291AX2 A-81K4804 12 + READ RESPONSE A-B1G2D13 XR291BD4 - REGISTER NOT ZERO XR291AZ2 A-B1H4B04 + READ ERROR . e la seu empleament à maistrement processe e la company de la contigue de la contigue de la company de la co La la contracta de la company de la comp A-8182B12 + XIO SENSE RESET 15 DU111AM4 XR111 XR121 + READ SCA BIT A-BIN2 DATE OF NUMBER DATE OF NUMBER CARD READ/PUNCH READ AND AUG-69 4.15480 1 PROGRAM LOAD TIMING P/N 2201265 TYPE 1130 XR711

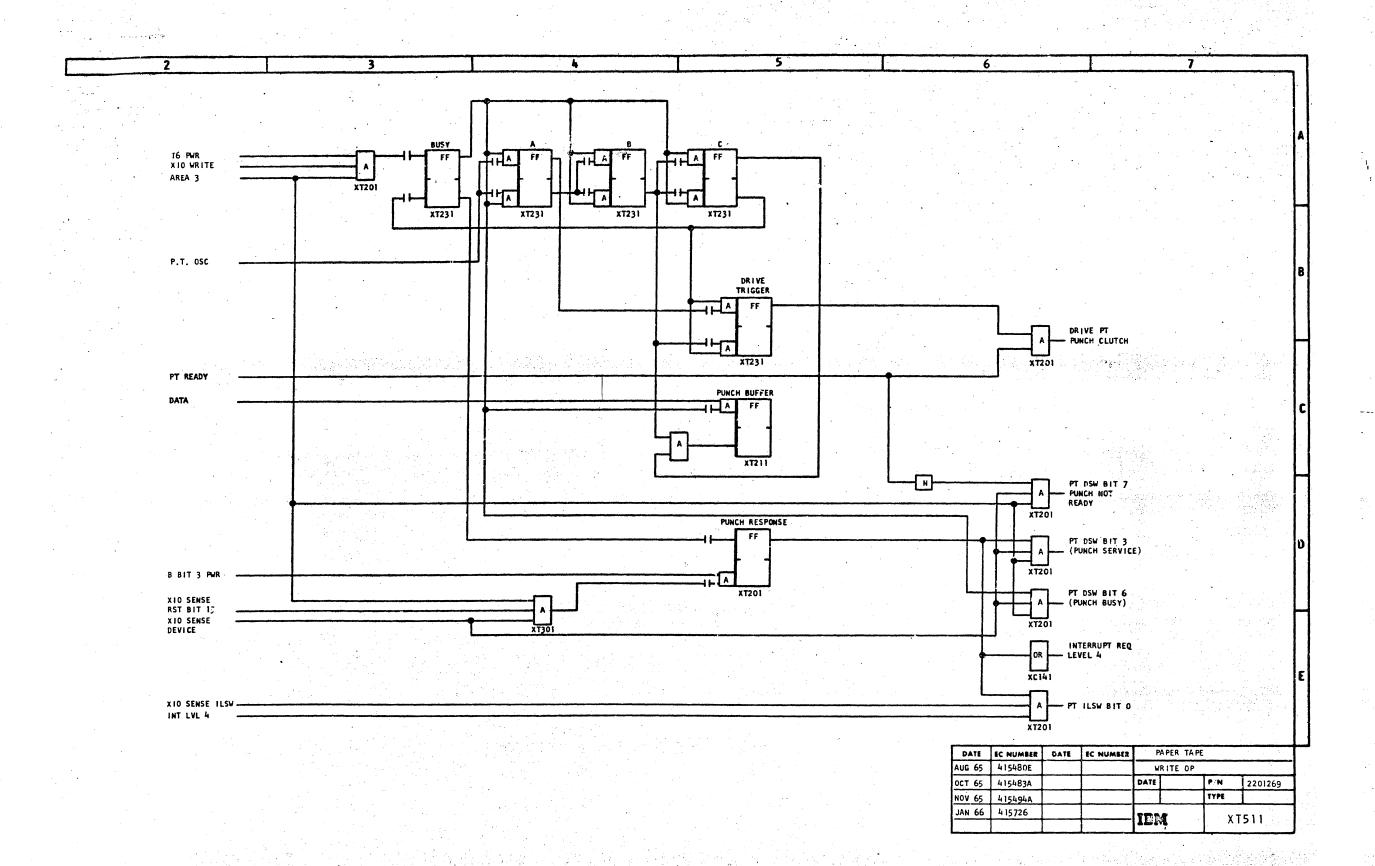
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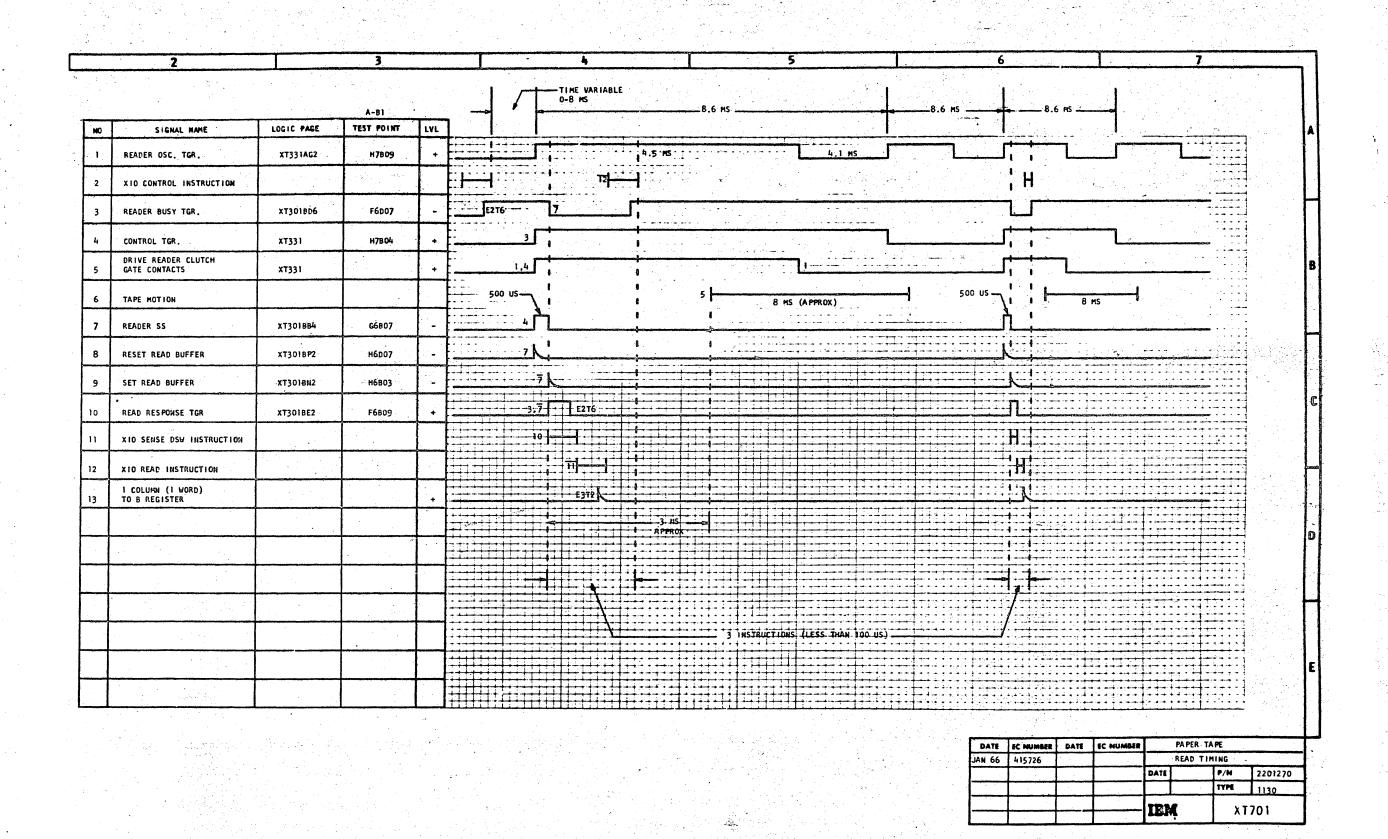
SOURCE PAGE TEST POINT SIGNAL NAME 124 MS 152 MS 162 MS 33 MSEC 108 MSEC + FEED CB-1 XR121AF2 A-81N3809 + FEED CB-2 XR121AF6 A-B1N3D12 XR121AH3 A-B1N3B12 + FEED CB-3 - FEED CB-4 XR121AH7 A-B1N3813 XR121AD7 A-81N3808 + READ EMITTER XP.201A54 + START SRP A-8183J02 + SRP MOTOR XR211AS4 A-8183006 + SRP MOTOR DELAY XR211AX4 A-B193D10 XR211AV4 + SRP FEED CLUTCH A-B183868 + CARD IN READ STA XR221AY4 A-81C4D09 + SRP READY FAIR XR201844 A-8183D13 XR2416A2 A-B1F3809 + X10 FEED + SRP BUSY XR261AE4 A-81J4802 XRIIIAT6 - IDLE RELAY CONTACT A-81A3D10 XR221AW4 A-81C4D06 + CARD IN PCH STA +SRP FCED INTLK XR221AV4 A-BIH3G13 DATE &C NUMBER DATE &C NUMBER CARD READ/PUNCH AUG-65 415480 E CONTROL TIMING
DATE 3-26-65 P/N 2201266 TYPE 1130 IBM XR721

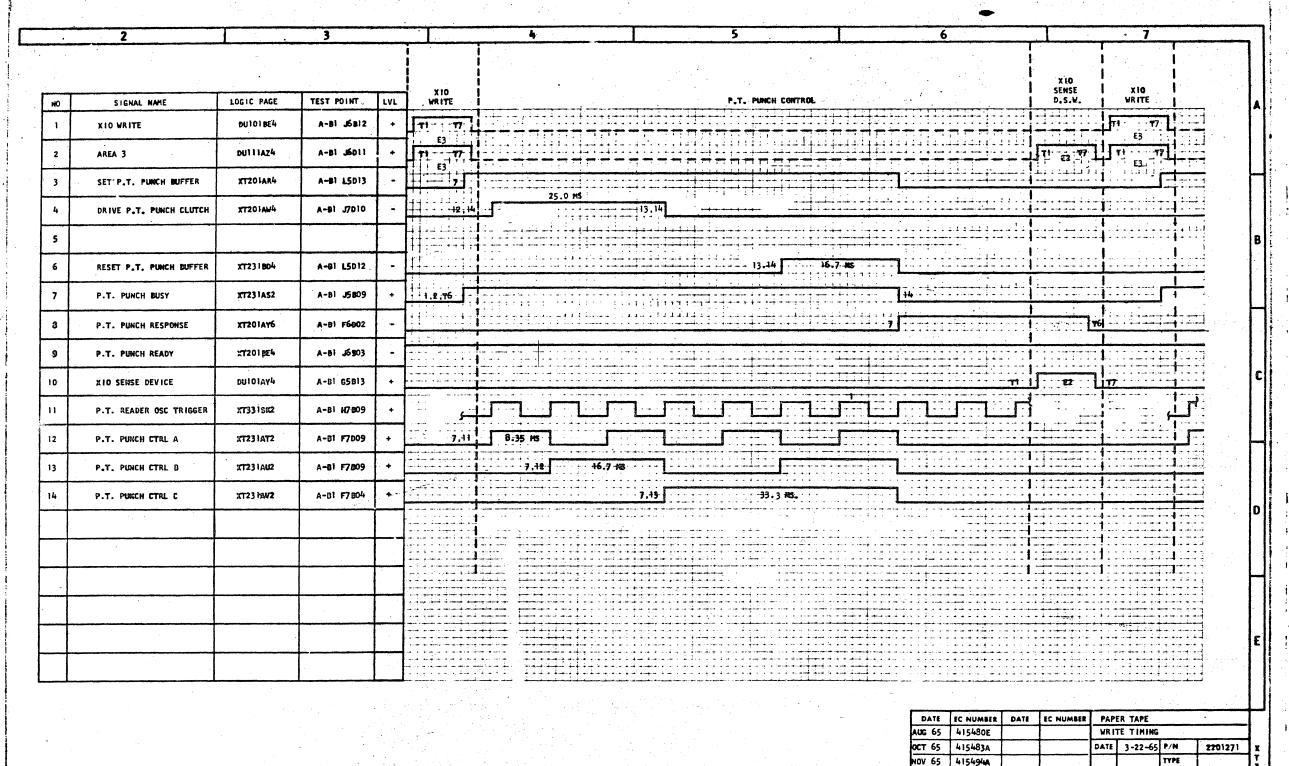








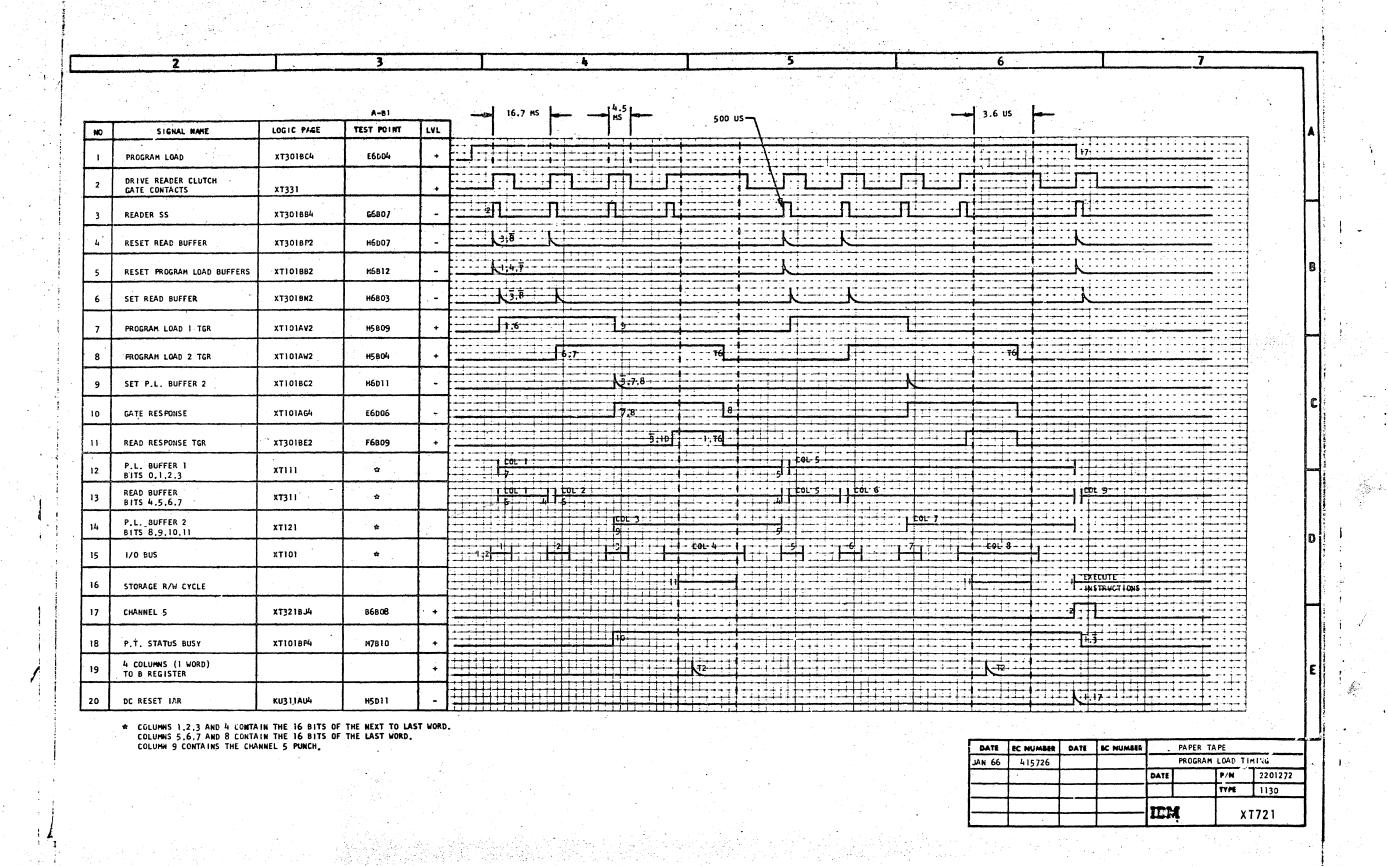


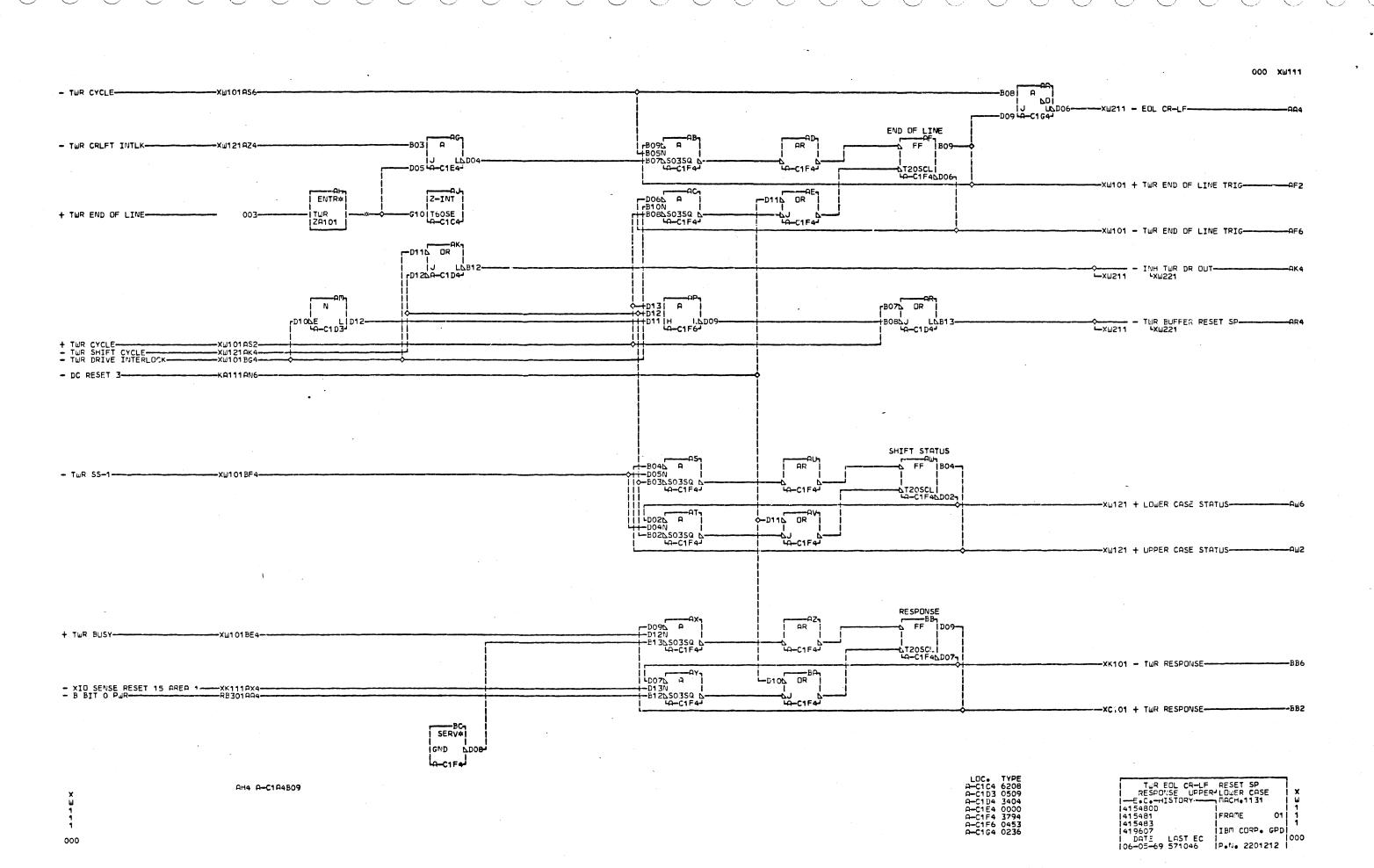


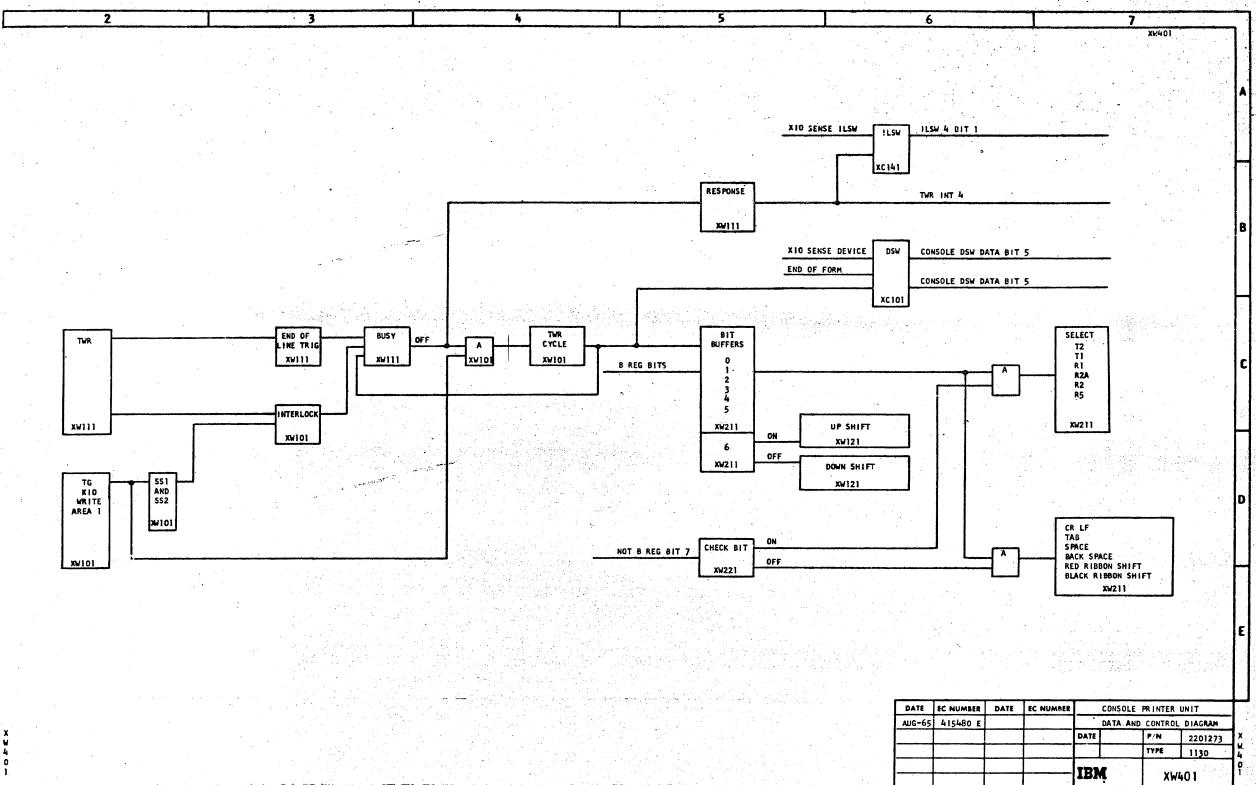
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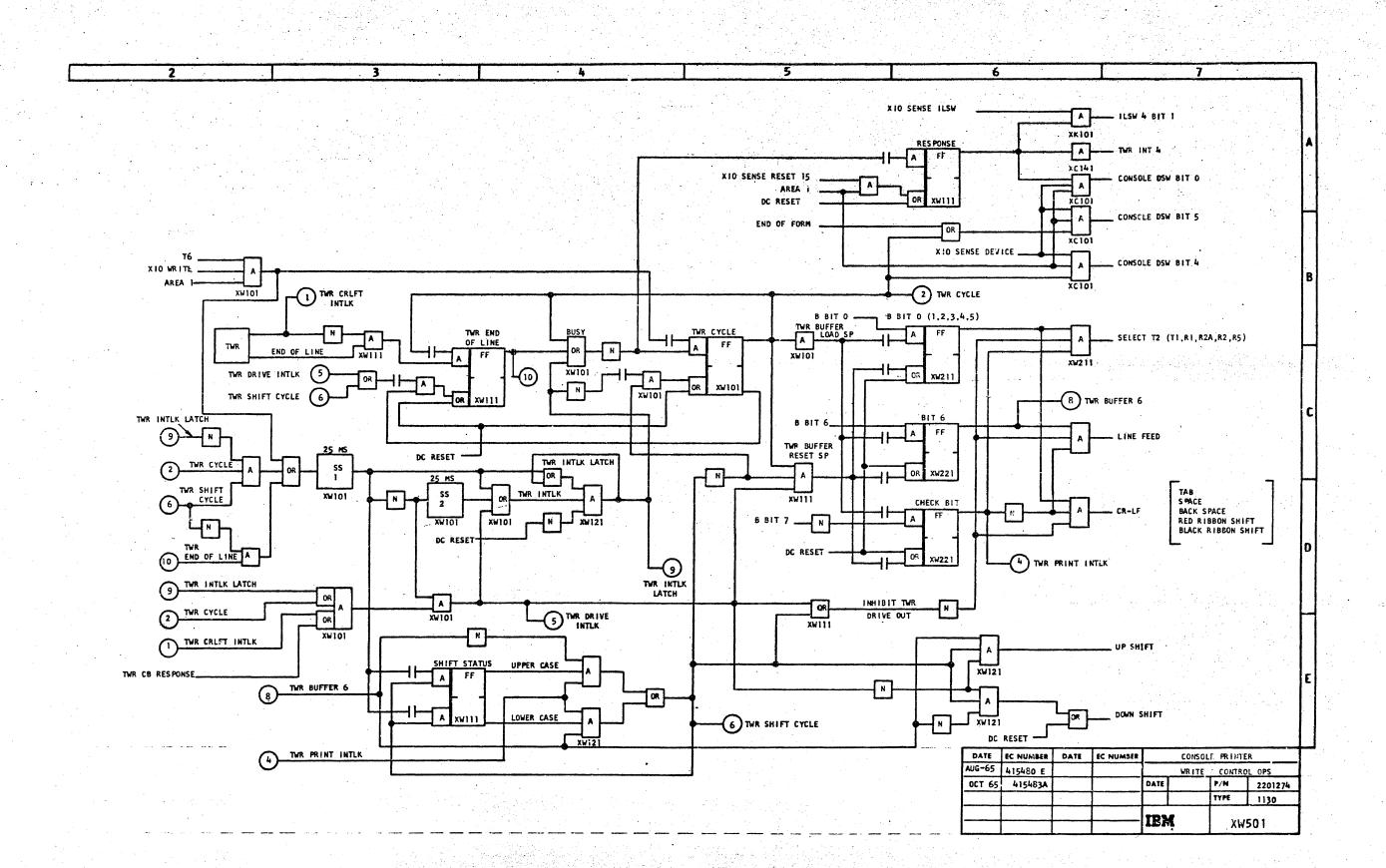
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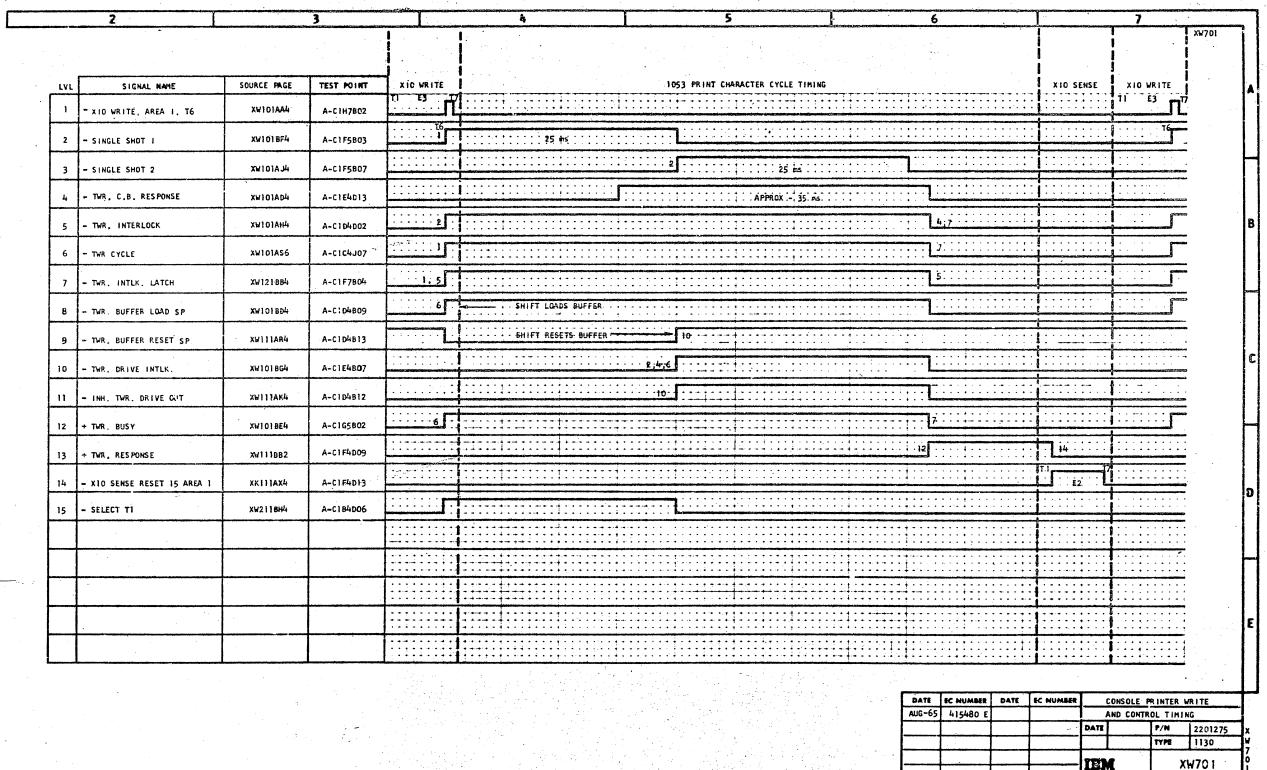
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